

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051920\
 Data File : VN061481.D
 Acq On : 19 May 2020 14:23
 Operator : JC/MD
 Sample : VN0519MBSD01
 Misc : 5.00µg/10µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 20 02:52:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	250369	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	451374	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	424615	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	196228	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	184384	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
35) Dibromofluoromethane	7.54	113	127388	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
50) Toluene-d8	10.06	98	543183	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
62) 4-Bromofluorobenzene	12.37	95	202311	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	39661	19.051	ug/l	96
3) Chloromethane	2.03	50	60027	17.678	ug/l	99
4) Vinyl Chloride	2.16	62	84231	17.333	ug/l	96
5) Bromomethane	2.54	94	49500	17.554	ug/l	98
6) Chloroethane	2.67	64	57853	17.688	ug/l	99
7) Trichlorofluoromethane	2.98	101	108617	18.410	ug/l	99
8) Diethyl Ether	3.37	74	33061	19.239	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.72	101	47811	19.488	ug/l	100
10) Methyl Iodide	3.91	142	58159	19.517	ug/l	99
11) Tert butyl alcohol	4.72	59	46039	106.932	ug/l #	88
12) 1,1-Dichloroethene	3.69	96	47207	18.395	ug/l	97
13) Acrolein	3.56	56	22906	59.914	ug/l	93
14) Allyl chloride	4.27	41	74295	17.789	ug/l	94
15) Acrylonitrile	4.92	53	117014	91.735	ug/l	99
16) Acetone	3.77	43	93924	90.975	ug/l	99
17) Carbon Disulfide	4.00	76	126857	21.194	ug/l	99
18) Methyl Acetate	4.27	43	49999	18.844	ug/l	98
19) Methyl tert-butyl Ether	4.98	73	184390	18.933	ug/l	97
20) Methylene Chloride	4.50	84	55237	17.987	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	55445	18.736	ug/l	94
22) Diisopropyl ether	5.90	45	170714	18.190	ug/l	95
23) Vinyl Acetate	5.84	43	688835	92.297	ug/l	97
24) 1,1-Dichloroethane	5.79	63	100495	18.358	ug/l	99
25) 2-Butanone	6.78	43	152452	89.608	ug/l	96
26) 2,2-Dichloropropane	6.77	77	94580	18.124	ug/l	99
27) cis-1,2-Dichloroethene	6.77	96	67342	19.265	ug/l	96
28) Bromochloromethane	7.15	49	50427	21.702	ug/l	98
29) Tetrahydrofuran	7.16	42	102274	90.770	ug/l	98
30) Chloroform	7.32	83	110422	19.313	ug/l	100
31) Cyclohexane	7.61	56	92126	17.165	ug/l	97
32) 1,1,1-Trichloroethane	7.52	97	96418	18.454	ug/l	99
36) 1,1-Dichloropropene	7.75	75	80724	19.126	ug/l	100
37) Ethyl Acetate	6.88	43	65095	17.007	ug/l	98
38) Carbon Tetrachloride	7.73	117	72311	18.607	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	95907	18.605	ug/l	96
40) Benzene	8.00	78	239039	18.794	ug/l	99
41) Methacrylonitrile	7.12	41	28561	17.667	ug/l #	86
42) 1,2-Dichloroethane	8.08	62	90152	19.673	ug/l	100
43) Isopropyl Acetate	8.12	43	118420	17.739	ug/l #	91
44) Trichloroethene	8.80	130	66296	19.893	ug/l	93
45) 1,2-Dichloropropane	9.08	63	61449	19.302	ug/l	99
46) Dibromomethane	9.17	93	44164	19.789	ug/l	99
47) Bromodichloromethane	9.37	83	90710	19.291	ug/l	99
48) Methyl methacrylate	9.16	41	53215	17.256	ug/l	97
49) 1,4-Dioxane	9.16	88	17168	510.833	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	333512	91.709	ug/l	99
52) Toluene	10.12	92	160204	19.619	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	98013	19.017	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	104553	19.083	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	62178	20.141	ug/l	99
56) Ethyl methacrylate	10.40	69	90567	18.765	ug/l	98
57) 1,3-Dichloropropane	10.68	76	104522	19.591	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	193855	91.504	ug/l	97
59) 2-Hexanone	10.72	43	237998	90.457	ug/l	99
60) Dibromochloromethane	10.87	129	65828	19.276	ug/l	100
61) 1,2-Dibromoethane	10.98	107	62517	19.260	ug/l	98
64) Tetrachloroethene	10.60	164	61954	18.860	ug/l	95
65) Chlorobenzene	11.40	112	168309	19.438	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	60704	19.555	ug/l	97
67) Ethyl Benzene	11.48	91	305268	19.314	ug/l	100
68) m/p-Xylenes	11.59	106	235527	39.258	ug/l	98
69) o-Xylene	11.92	106	110492	19.031	ug/l	99
70) Styrene	11.94	104	186139	19.361	ug/l	99
71) Bromoform	12.10	173	41317	18.445	ug/l #	100
73) Isopropylbenzene	12.22	105	296429	18.817	ug/l	100
74) N-amyl acetate	12.04	43	97882	16.975	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	82926	19.133	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	106081	25.194	ug/l #	100
77) Bromobenzene	12.50	156	66748	19.524	ug/l	96
78) n-propylbenzene	12.56	91	338575	18.863	ug/l	99
79) 2-Chlorotoluene	12.65	91	200340	18.883	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	243349	18.866	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	26382	16.621	ug/l	96
82) 4-Chlorotoluene	12.75	91	208220	18.954	ug/l	100
83) tert-Butylbenzene	12.97	119	206091	18.653	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	249920	19.361	ug/l	99
85) sec-Butylbenzene	13.15	105	280904	18.802	ug/l	100
86) p-Isopropyltoluene	13.26	119	251342	18.946	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	121318	19.390	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	121643	19.413	ug/l	98
89) n-Butylbenzene	13.59	91	224096	18.593	ug/l	100
90) Hexachloroethane	13.85	117	33816	18.808	ug/l	100
91) 1,2-Dichlorobenzene	13.62	146	118270	19.706	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	16052	18.335	ug/l	99

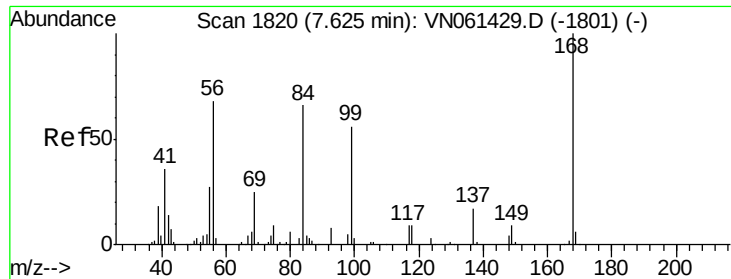
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
Quant Title : SW846 8260
QLast Update : Mon May 18 13:09:55 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	65288	20.062	ug/l	99
94) Hexachlorobutadiene	14.98	225	25548	17.669	ug/l	99
95) Naphthalene	15.10	128	208160	20.120	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	64816	20.007	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

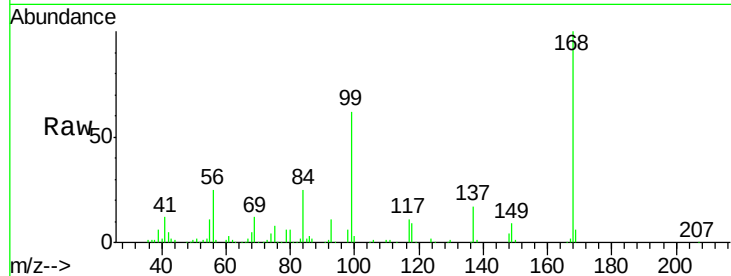
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 250369

Ion Ratio Lower Upper

168 100

99 62.2 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

120000

100000

80000

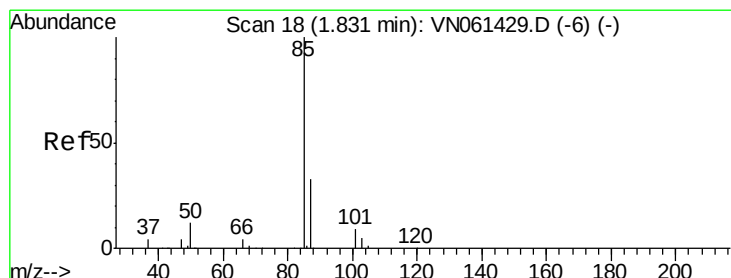
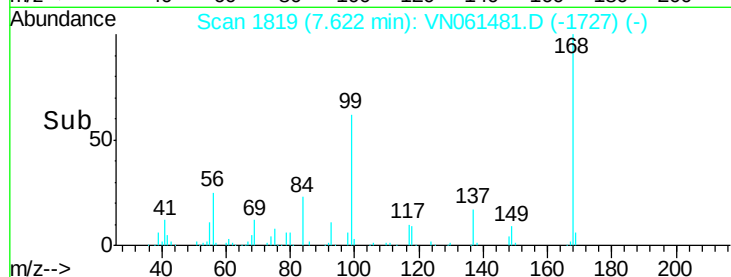
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 19.051 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN061481.D

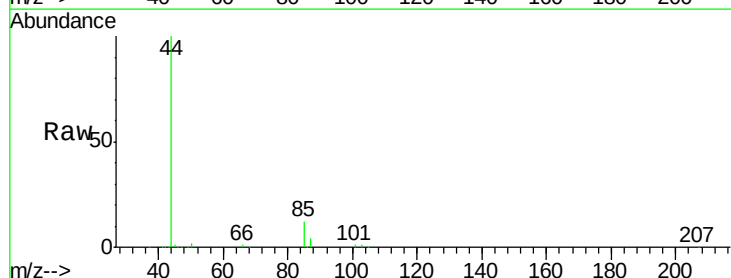
Acq: 19 May 2020 14:23

Tgt Ion: 85 Resp: 39661

Ion Ratio Lower Upper

85 100

87 35.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

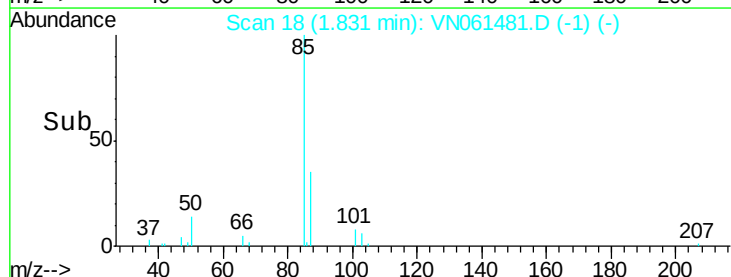
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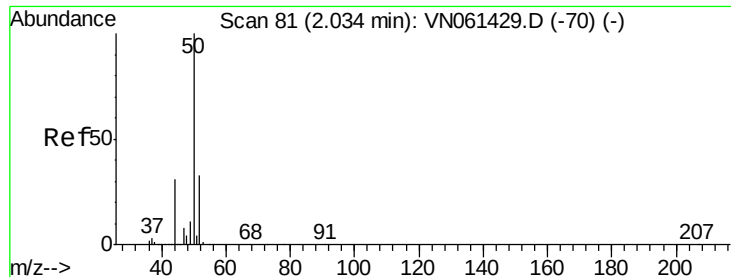
20000

10000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 17.678 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

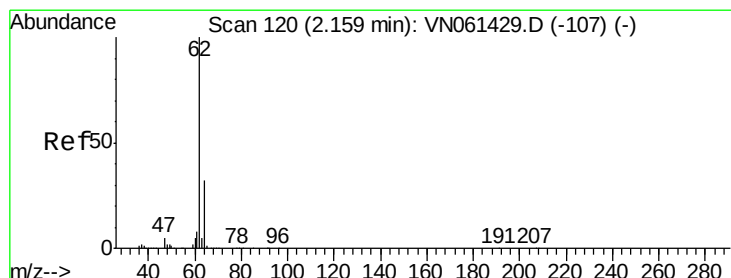
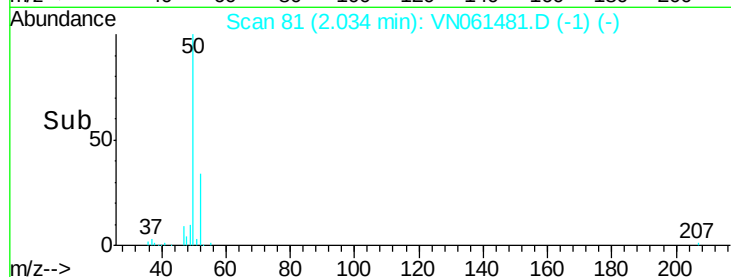
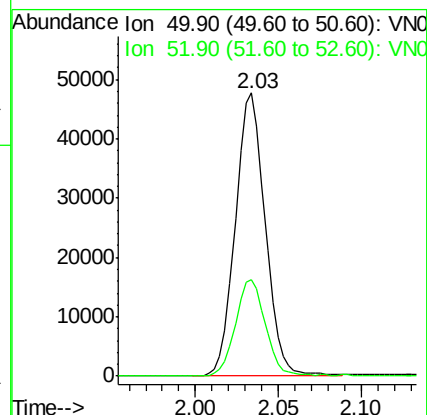
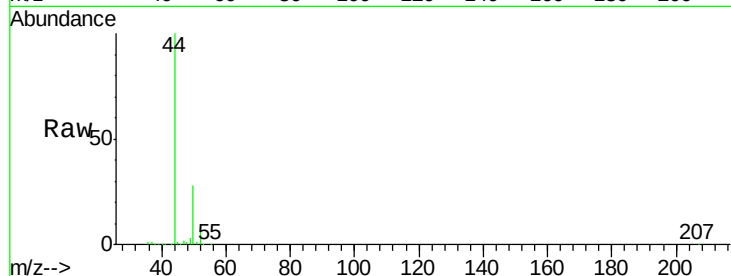
ClientSampleId :

Tot Ion: 50 Resp: 60027

Ion Ratio Lower Upper

50 100

52 34.3 26.7 40.1



#4

Vinyl Chloride

Concen: 17.333 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061481.D

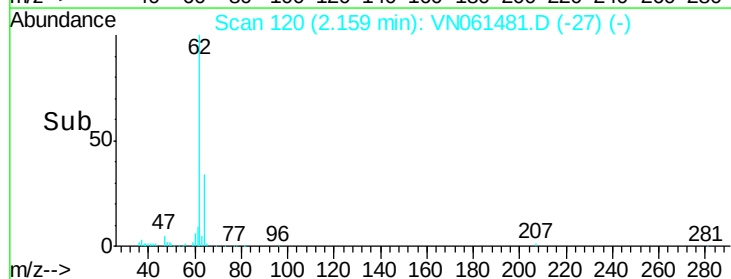
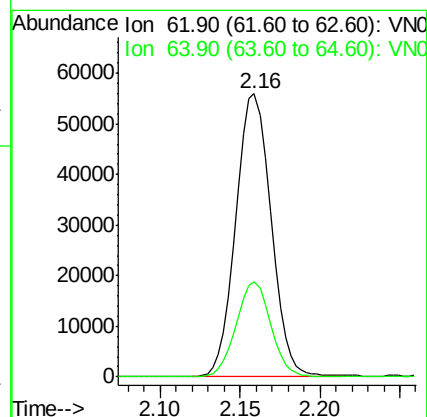
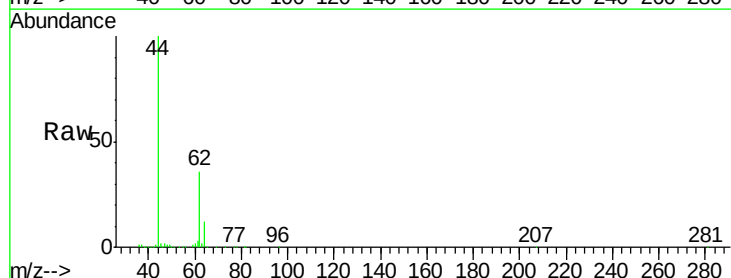
Acq: 19 May 2020 14:23

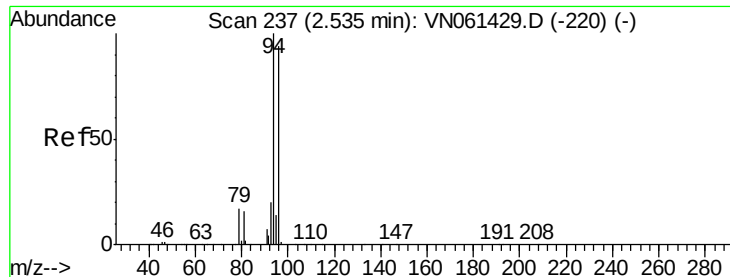
Tgt Ion: 62 Resp: 84231

Ion Ratio Lower Upper

62 100

64 33.7 25.3 37.9





#5

Bromomethane

Concen: 17.554 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

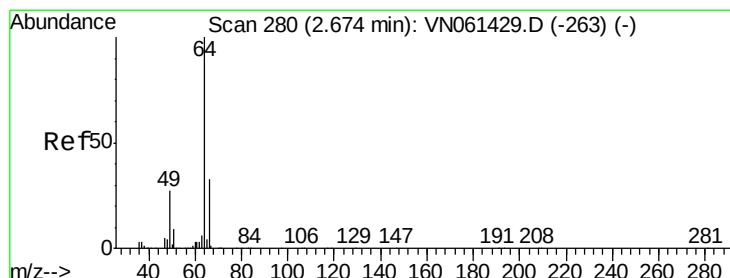
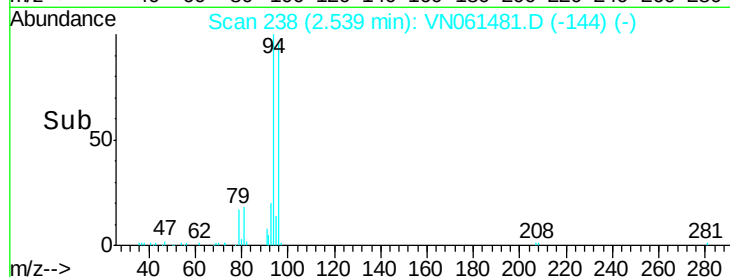
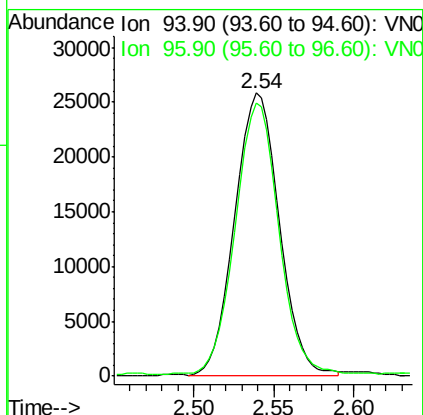
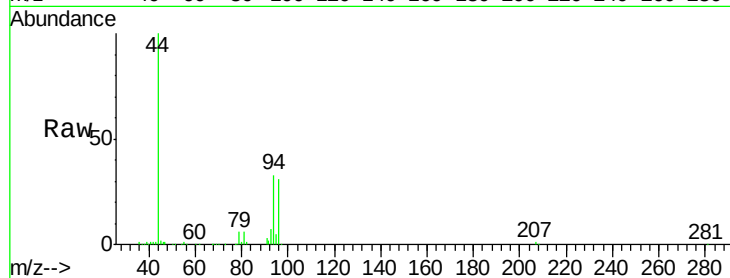
ClientSampled :

Tot Ion: 94 Resp: 49500

Ion Ratio Lower Upper

94 100

96 95.7 74.9 112.3



#6

Chloroethane

Concen: 17.688 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.00 min

Lab File: VN061481.D

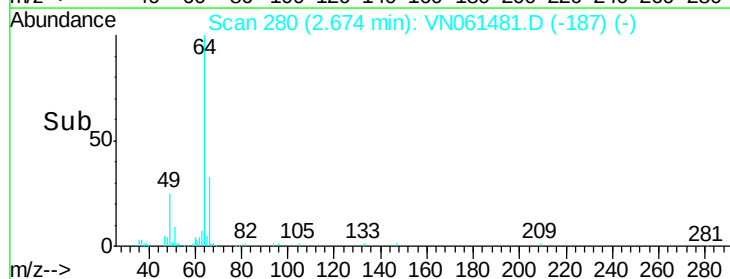
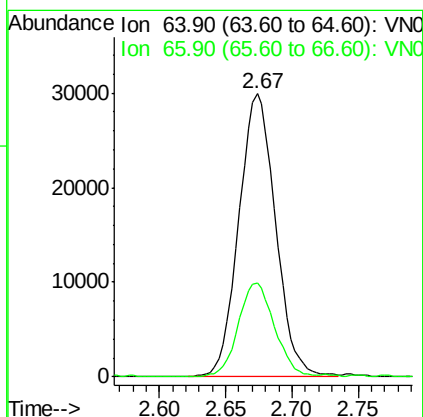
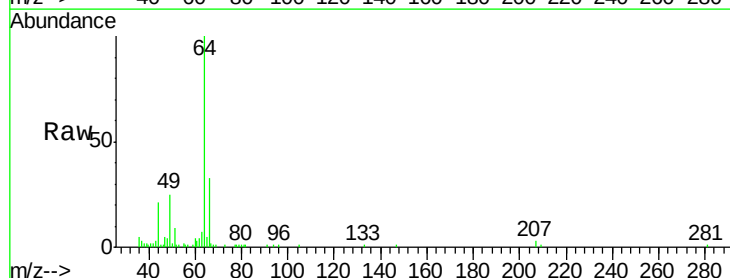
Acq: 19 May 2020 14:23

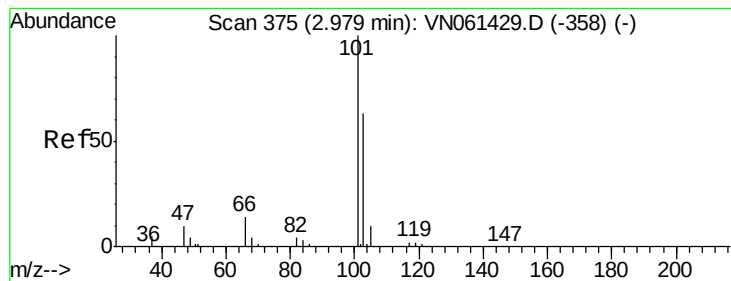
Tgt Ion: 64 Resp: 57853

Ion Ratio Lower Upper

64 100

66 33.2 26.3 39.5



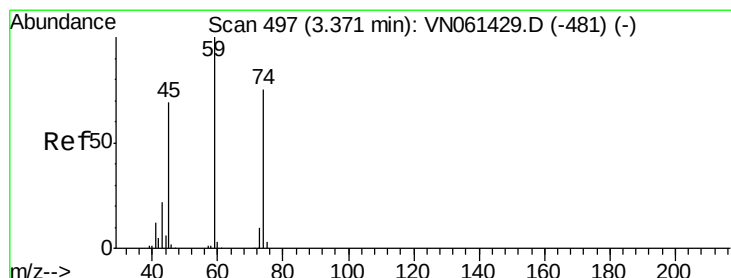
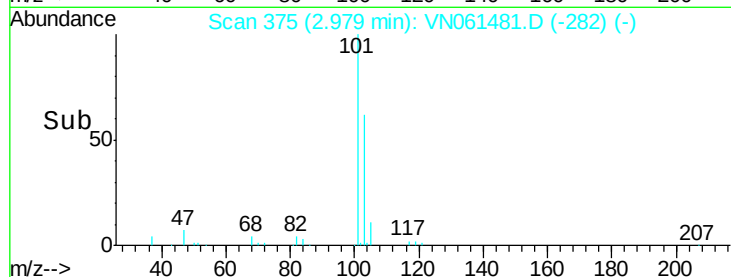
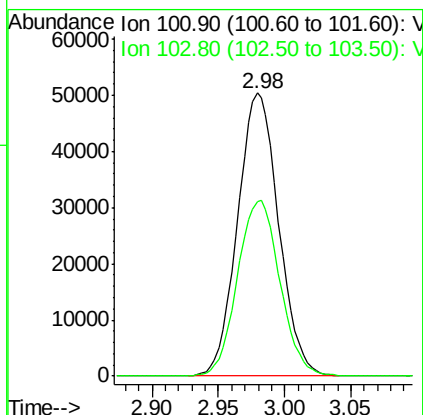
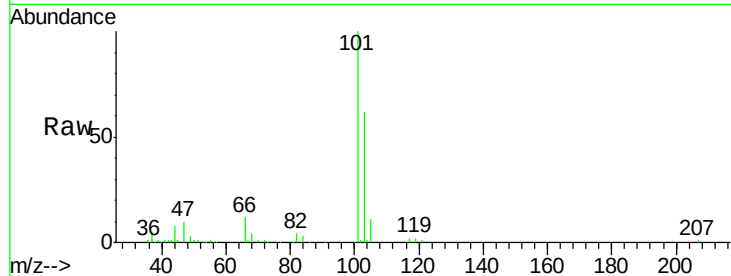


#7

Trichlorofluoromethane
 Concen: 18.410 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Instrument :
 MSVOA_N
 ClientSampled :

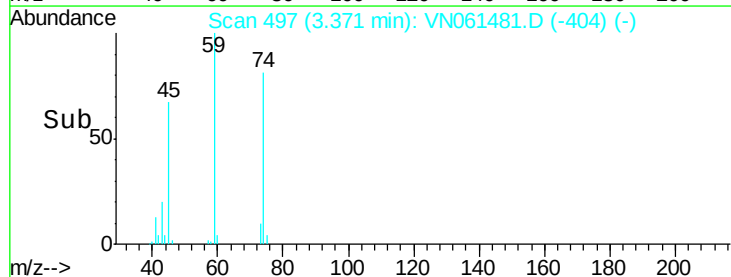
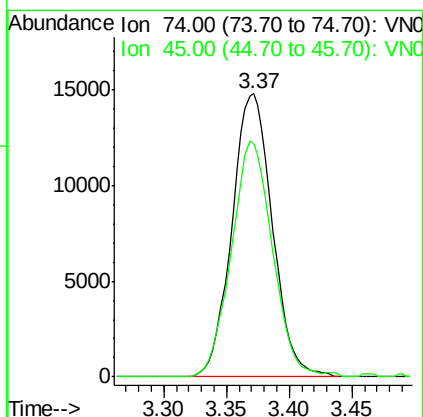
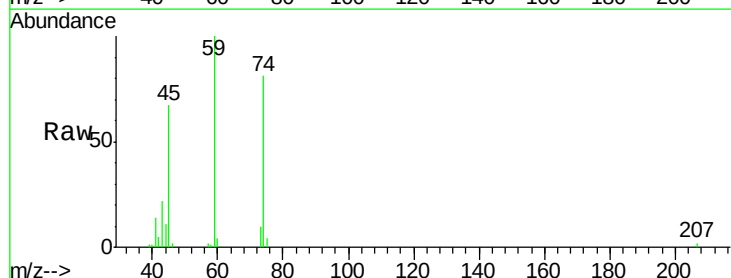
Tot Ion:101 Resp: 108617
 Ion Ratio Lower Upper
 101 100
 103 61.7 50.2 75.4

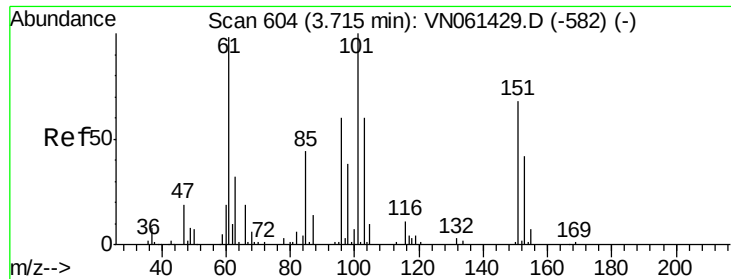


#8

Diethyl Ether
 Concen: 19.239 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Tgt Ion: 74 Resp: 33061
 Ion Ratio Lower Upper
 74 100
 45 84.7 45.7 137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.488 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

ClientSampled :

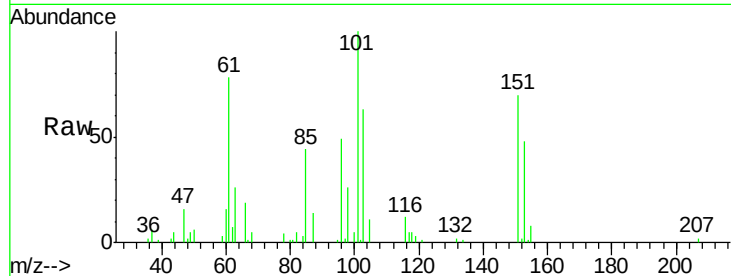
Tot Ion:101 Resp: 47811

Ion Ratio Lower Upper

101 100

85 46.1 36.6 55.0

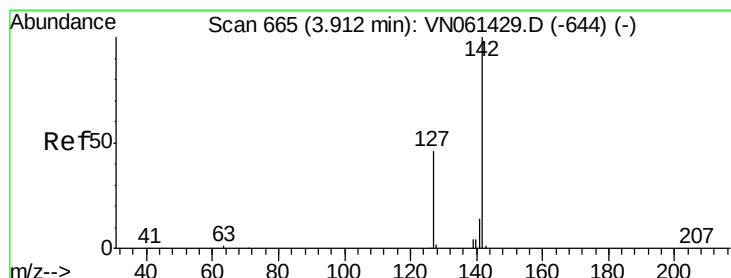
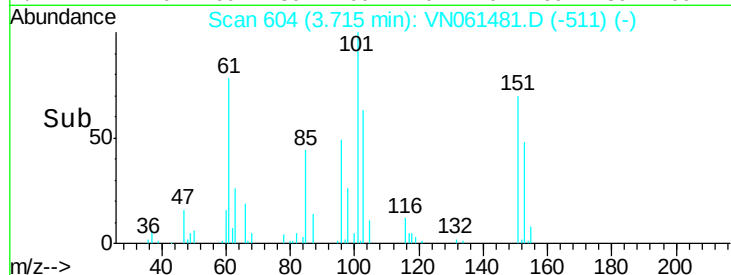
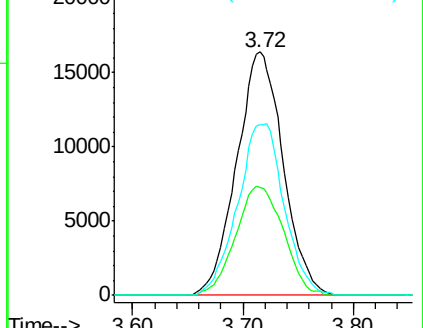
151 70.6 56.3 84.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.517 ug/l

RT: 3.91 min Scan# 663

Delta R.T. -0.01 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

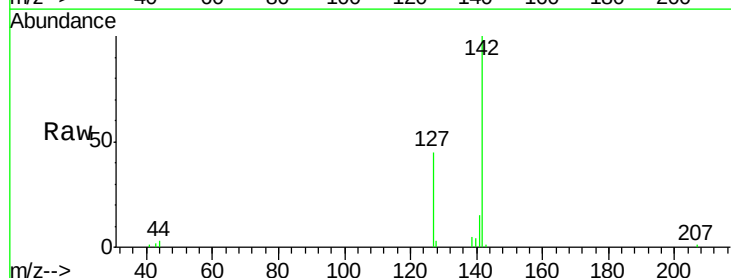
Tgt Ion:142 Resp: 58159

Ion Ratio Lower Upper

142 100

127 45.3 36.7 55.1

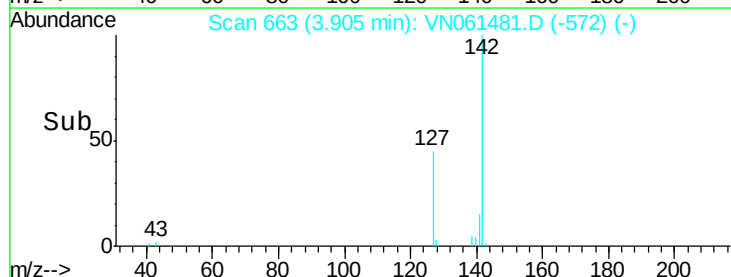
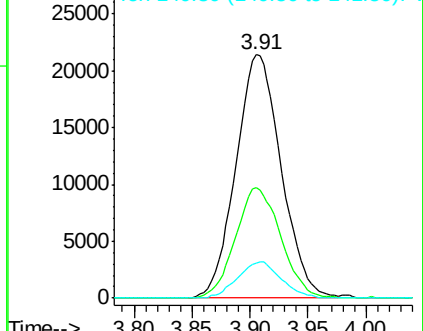
141 14.4 11.5 17.3

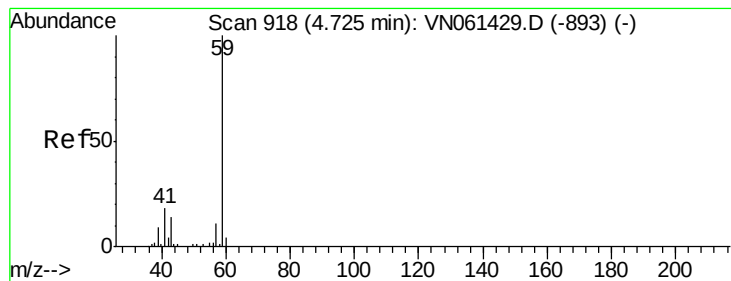


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



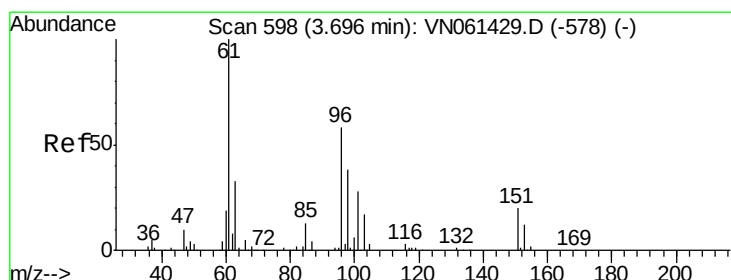
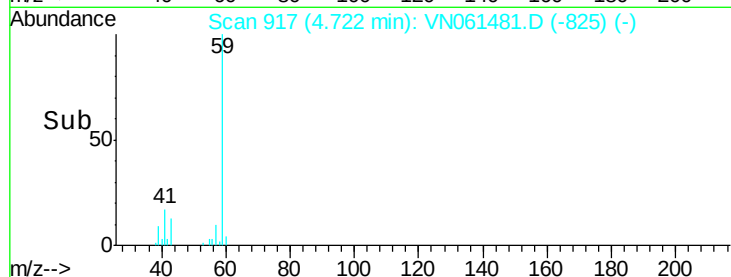
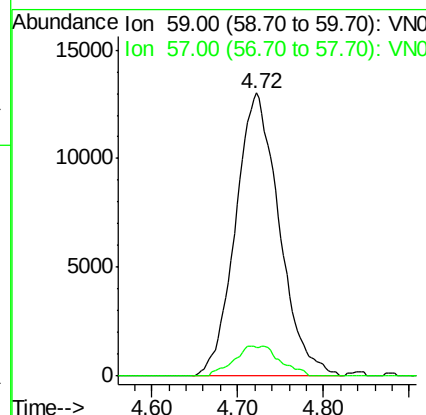
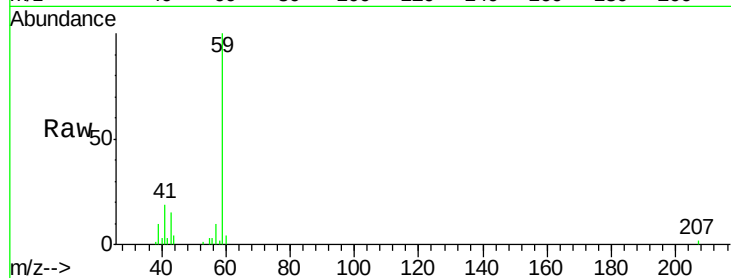


#11

Tert butyl alcohol
 Concen: 106.932 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Instrument :
 MSVOA_N
 ClientSampleId :

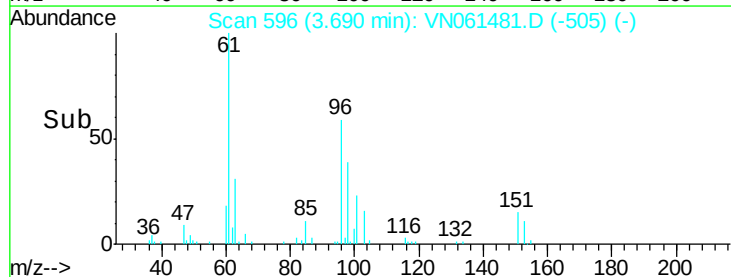
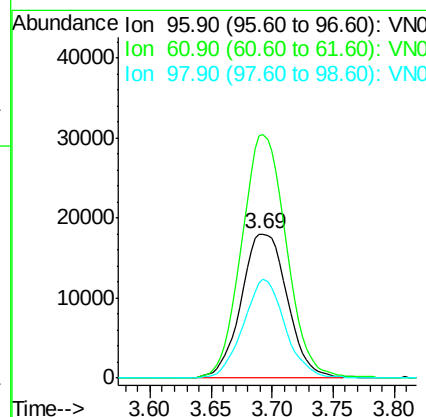
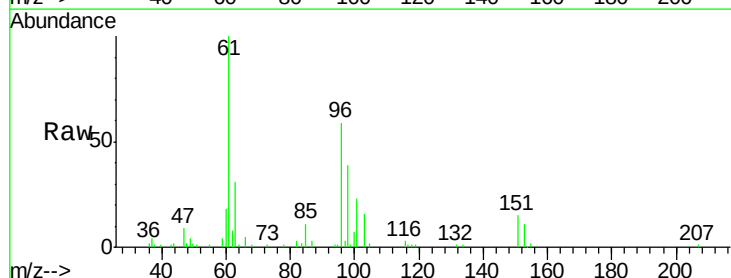
Tot Ion: 59 Resp: 46039
 Ion Ratio Lower Upper
 59 100
 57 5.6 8.2 12.2#

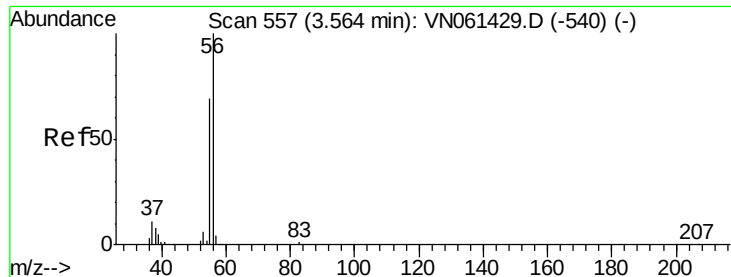


#12

1,1-Dichloroethene
 Concen: 18.395 ug/l
 RT: 3.69 min Scan# 596
 Delta R.T. -0.01 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Tgt Ion: 96 Resp: 47207
 Ion Ratio Lower Upper
 96 100
 61 168.1 138.7 208.1
 98 65.7 53.0 79.6





#13

Acrolein

Concen: 59.914 ug/l

RT: 3.56 min Scan# 556

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

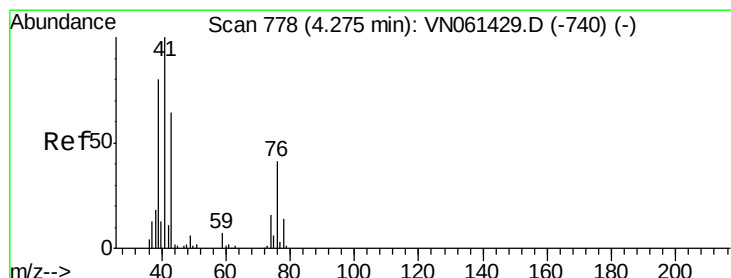
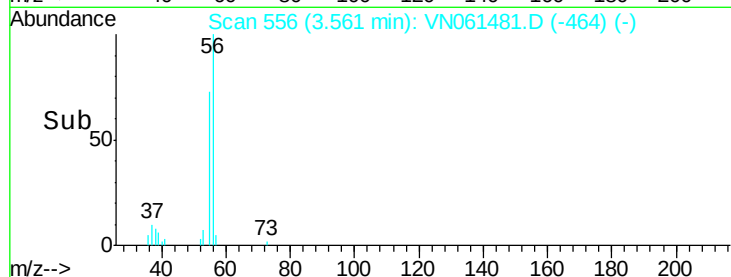
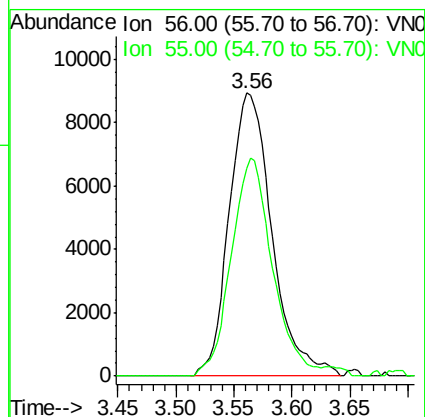
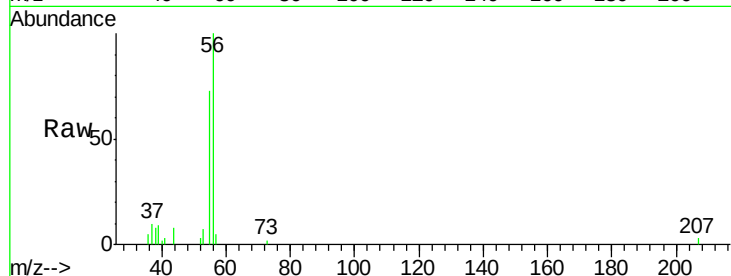
ClientSampleId :

Tot Ion: 56 Resp: 22906

Ion Ratio Lower Upper

56 100

55 74.0 54.8 82.2



#14

Allyl chloride

Concen: 17.789 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

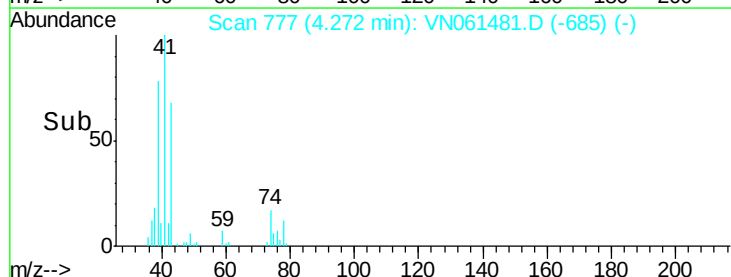
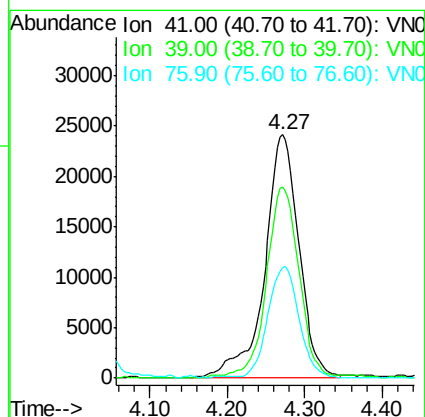
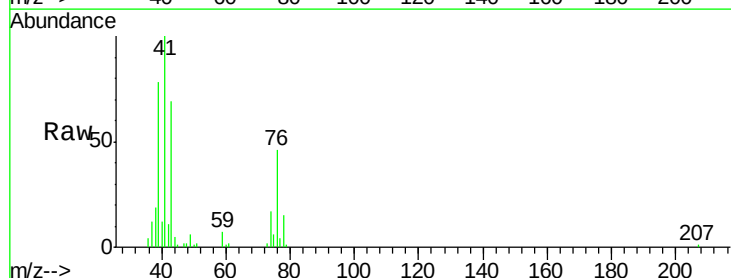
Tgt Ion: 41 Resp: 74295

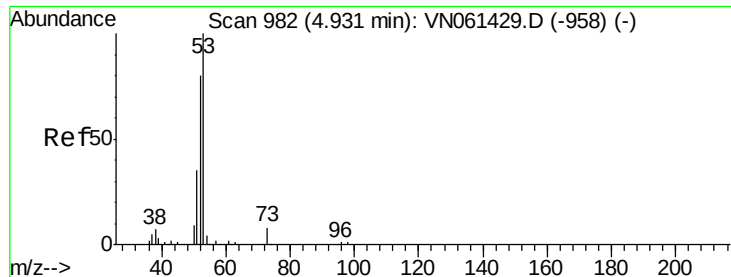
Ion Ratio Lower Upper

41 100

39 71.3 61.2 91.8

76 41.5 29.9 44.9





#15

Acrylonitrile

Concen: 91.735 ug/l

RT: 4.92 min Scan# 980

Delta R.T. -0.01 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

ClientSampleId :

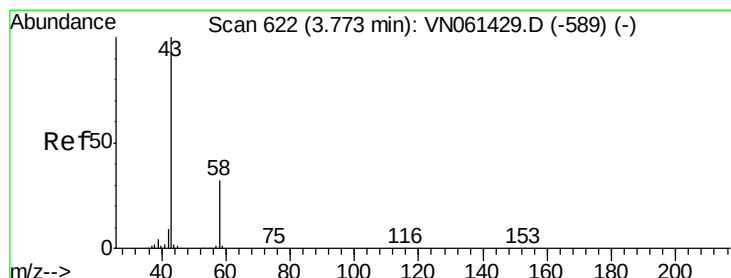
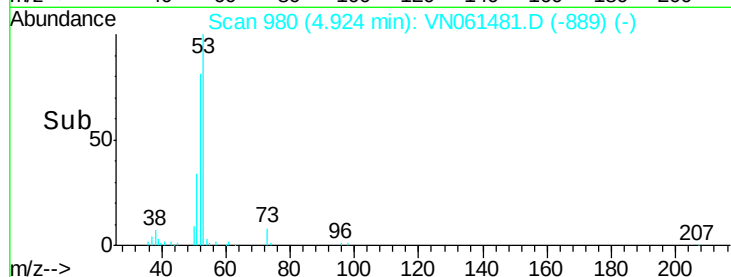
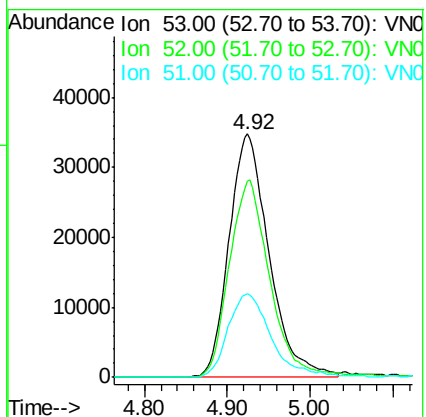
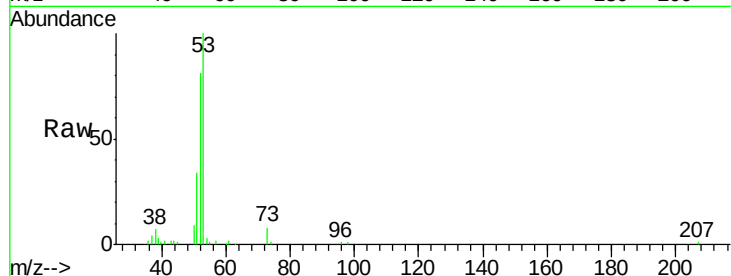
Tot Ion: 53 Resp: 117014

Ion Ratio Lower Upper

53 100

52 81.5 64.7 97.1

51 36.6 29.5 44.3



#16

Acetone

Concen: 90.975 ug/l

RT: 3.77 min Scan# 621

Delta R.T. -0.00 min

Lab File: VN061481.D

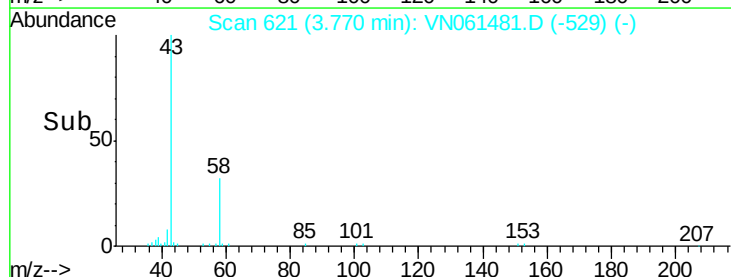
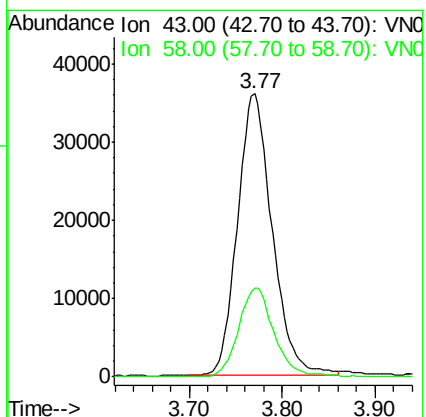
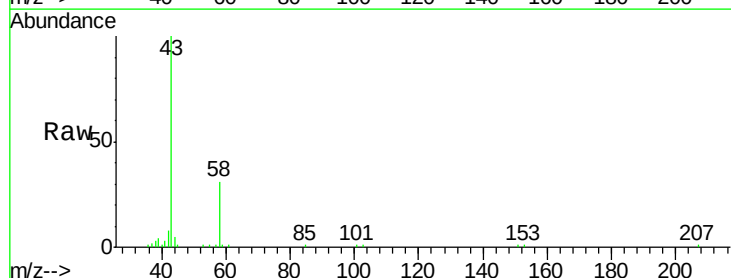
Acq: 19 May 2020 14:23

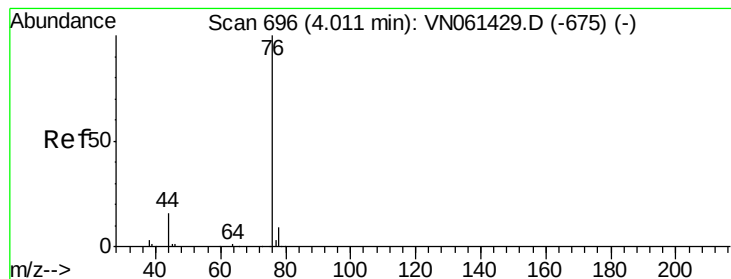
Tgt Ion: 43 Resp: 93924

Ion Ratio Lower Upper

43 100

58 31.6 25.6 38.4





#17

Carbon Disulfide

Concen: 21.194 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.01 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

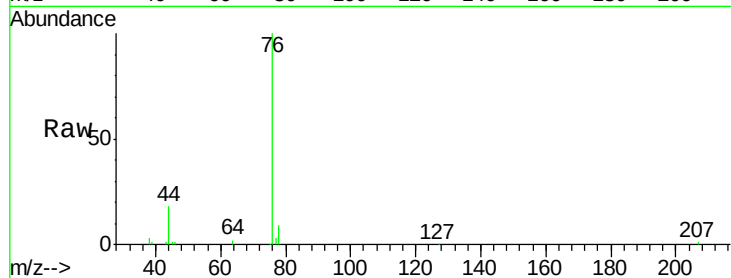
ClientSampled :

Tot Ion: 76 Resp: 126857

Ion Ratio Lower Upper

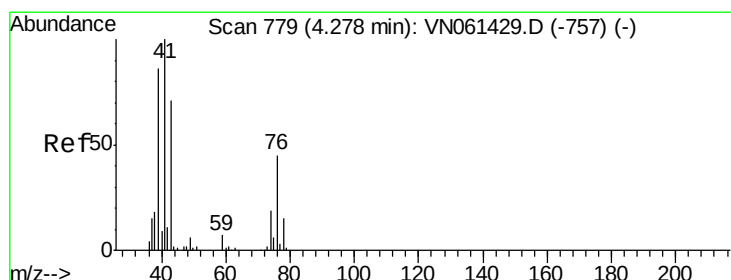
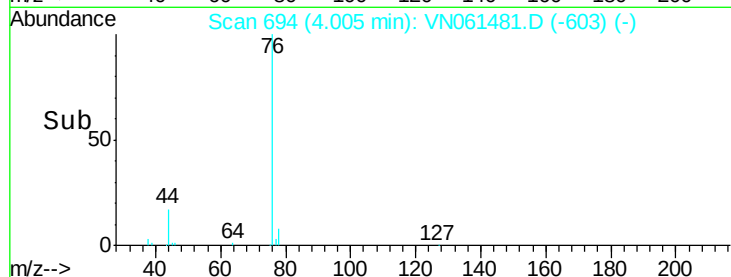
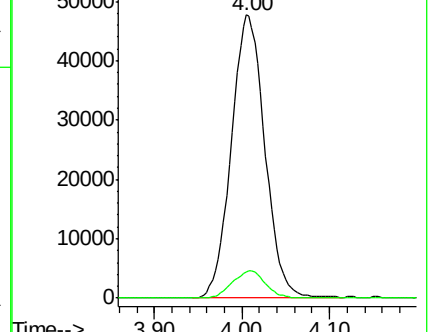
76 100

78 9.4 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN061429.D (-675) (-)

Ion 77.90 (77.60 to 78.60): VN061429.D (-675) (-)



#18

Methyl Acetate

Concen: 18.844 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.01 min

Lab File: VN061481.D

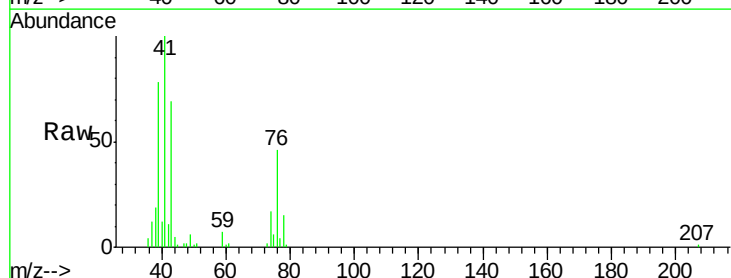
Acq: 19 May 2020 14:23

Tgt Ion: 43 Resp: 49999

Ion Ratio Lower Upper

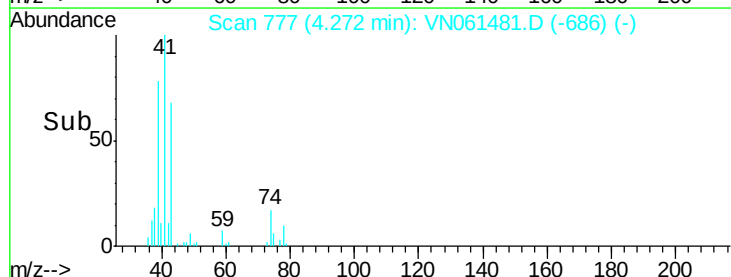
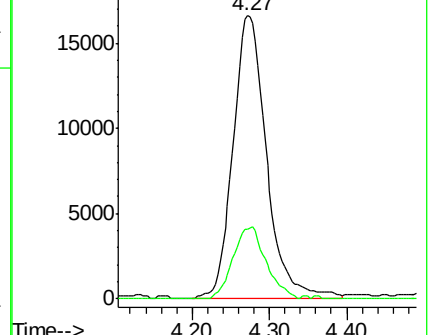
43 100

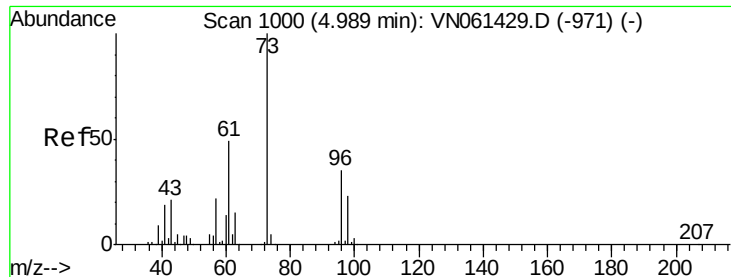
74 24.8 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN061429.D (-757) (-)

Ion 74.00 (73.70 to 74.70): VN061429.D (-757) (-)

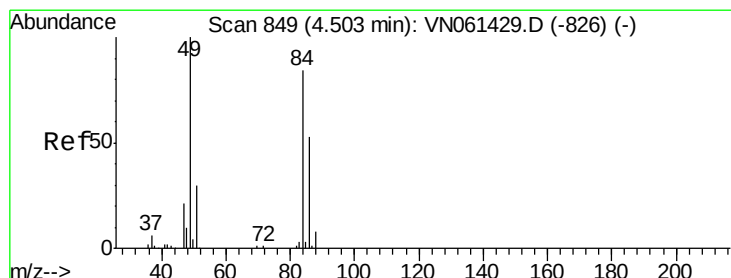
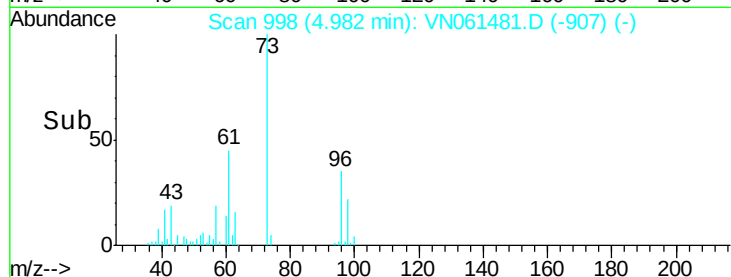
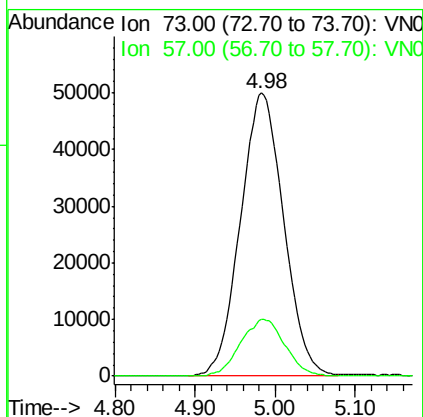
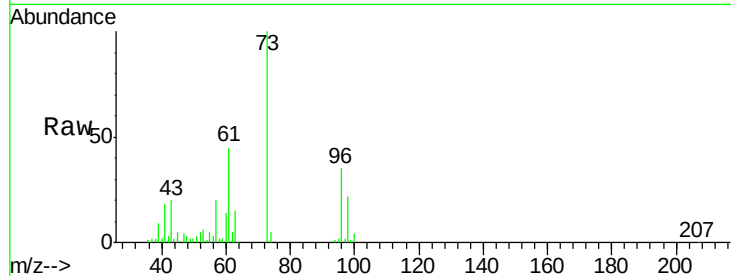




#19
Methyl tert-butyl Ether
Concen: 18.933 ug/l
RT: 4.98 min Scan# 998
Delta R.T. -0.01 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

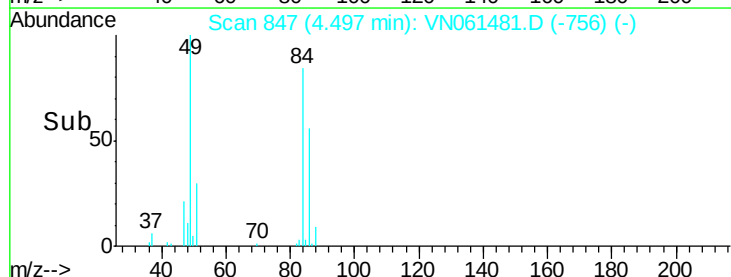
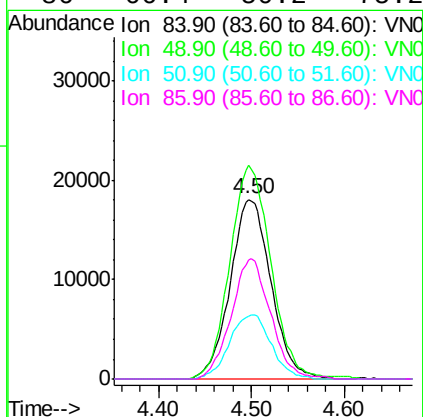
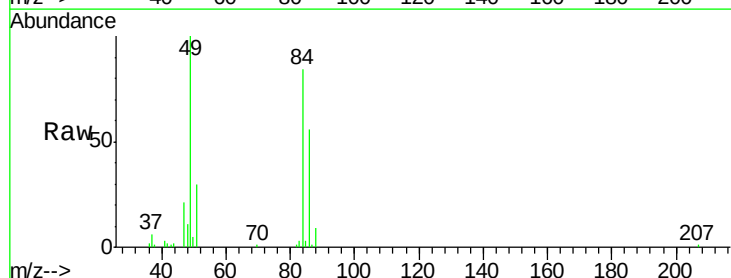
Instrument :
MSVOA_N
ClientSampled :

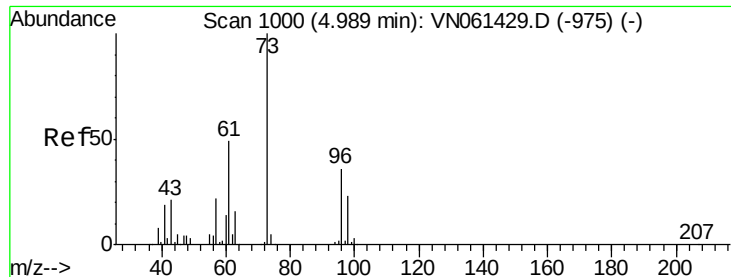
Tot Ion: 73 Resp: 184390
Ion Ratio Lower Upper
73 100
57 20.1 17.4 26.0



#20
Methylene Chloride
Concen: 17.987 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.01 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Tgt Ion: 84 Resp: 55237
Ion Ratio Lower Upper
84 100
49 119.1 95.3 142.9
51 35.3 29.0 43.6
86 66.4 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 18.736 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

ClientSampleId :

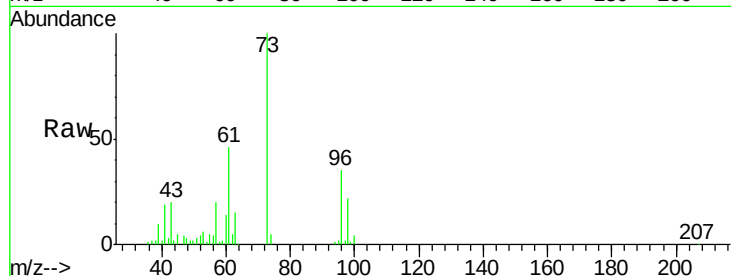
Tot Ion: 96 Resp: 55445

Ion Ratio Lower Upper

96 100

61 129.3 109.8 164.6

98 62.7 52.4 78.6

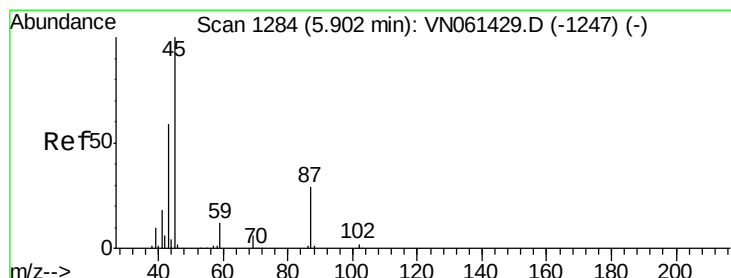
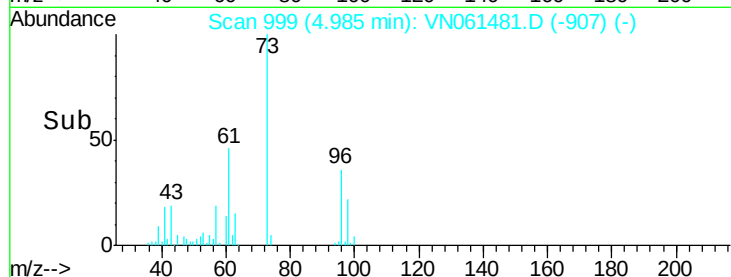
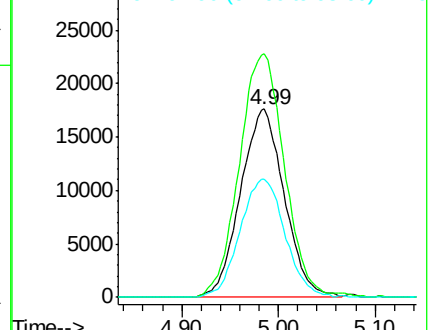


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 18.190 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Tgt Ion: 45 Resp: 170714

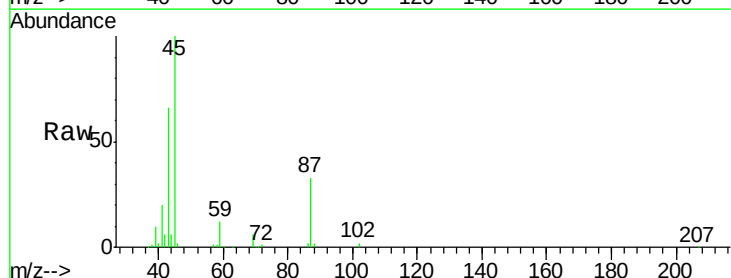
Ion Ratio Lower Upper

45 100

43 64.2 47.9 71.9

87 32.8 24.0 36.0

59 11.7 9.7 14.5



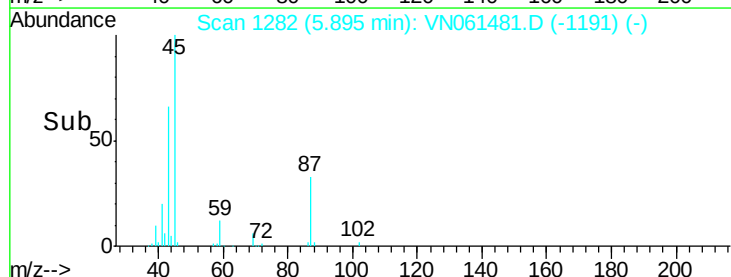
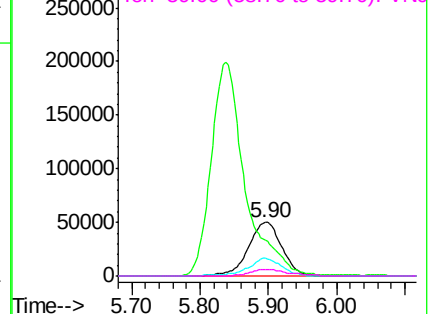
Abundance

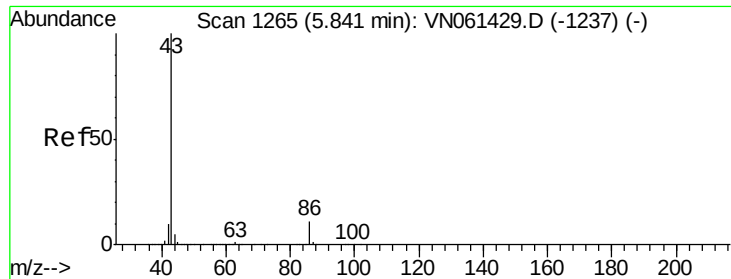
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

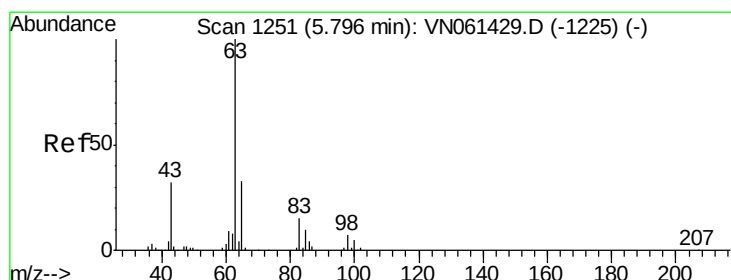
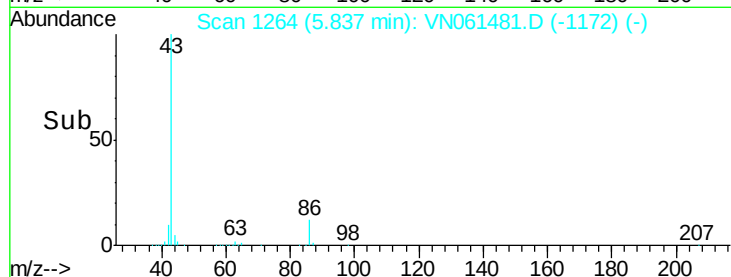
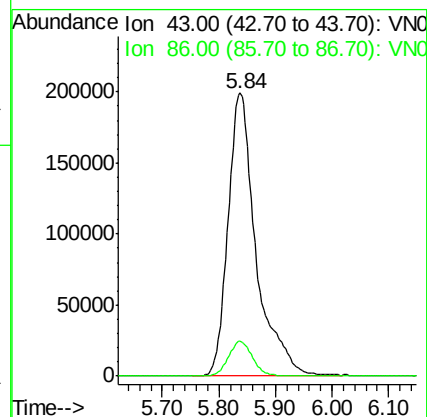
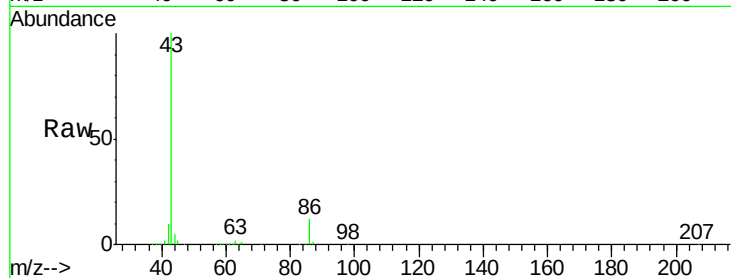




#23
 Vinyl Acetate
 Concen: 92.297 ug/l
 RT: 5.84 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

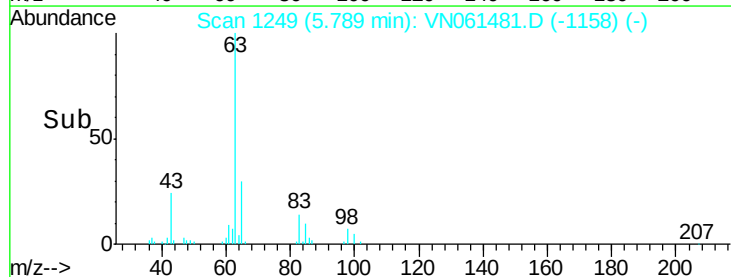
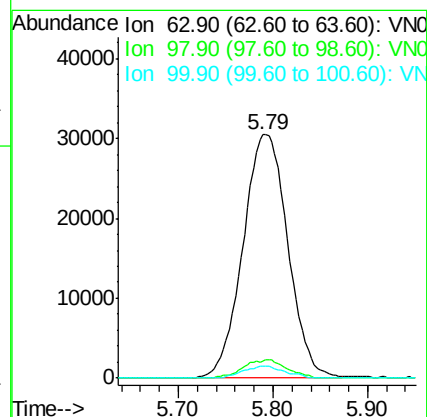
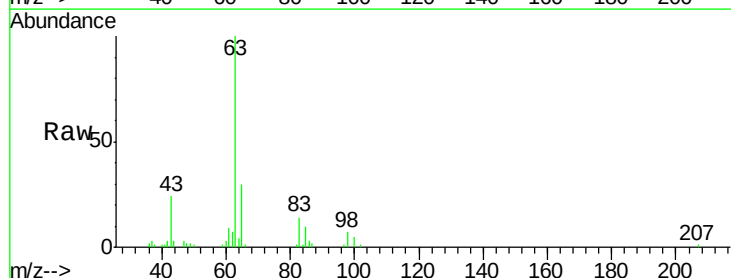
Instrument :
 MSVOA_N
 ClientSampled :

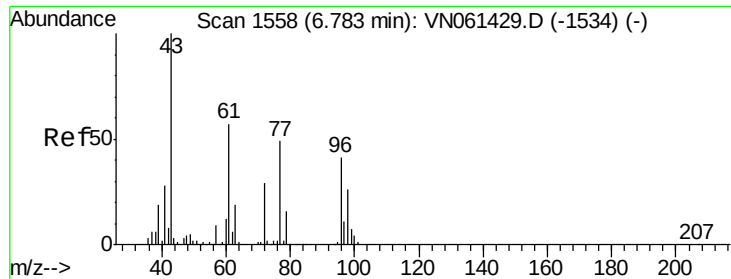
Tot Ion: 43 Resp: 688835
 Ion Ratio Lower Upper
 43 100
 86 12.4 9.1 13.7



#24
 1,1-Dichloroethane
 Concen: 18.358 ug/l
 RT: 5.79 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Tgt Ion: 63 Resp: 100495
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.5 10.5
 100 5.1 2.3 6.9

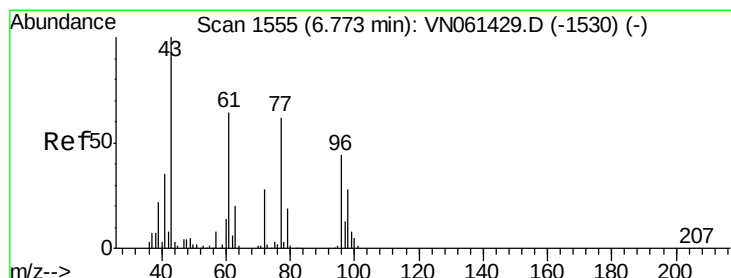
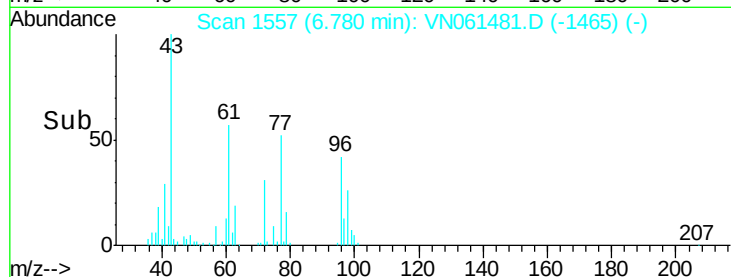
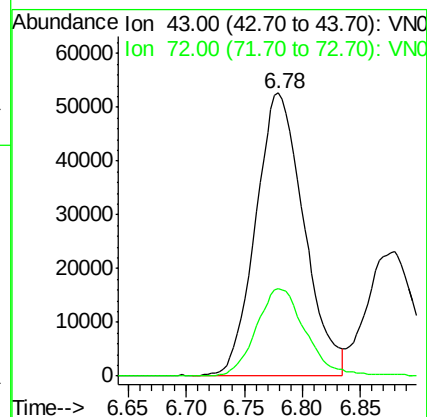
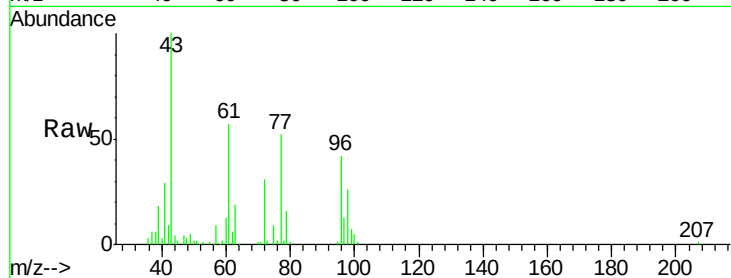




#25
2-Butanone
Concen: 89.608 ug/l
RT: 6.78 min Scan# 1557
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

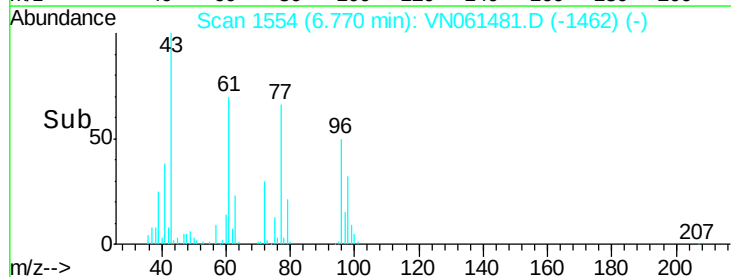
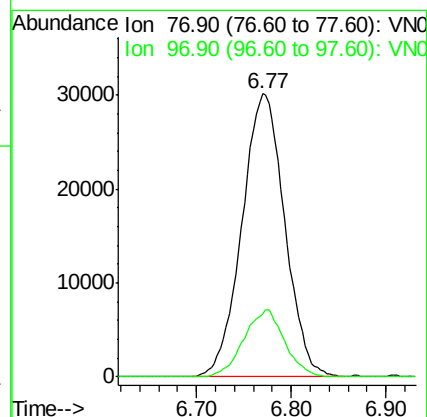
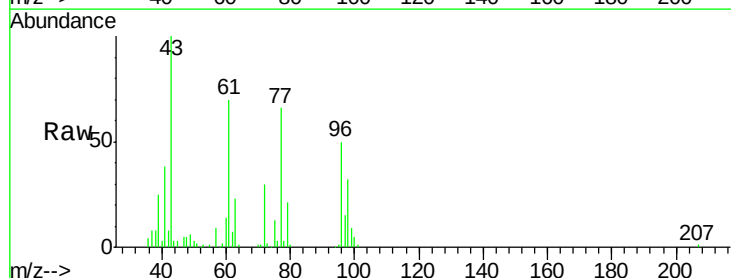
Instrument :
MSVOA_N
ClientSampled :

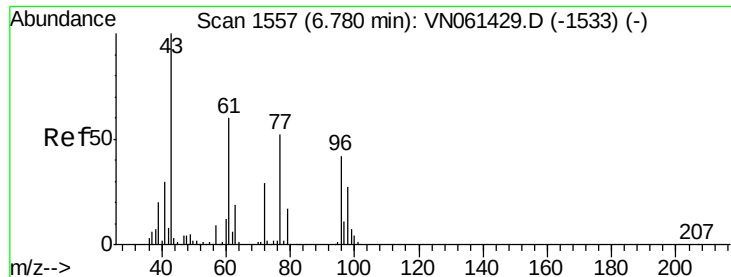
Tot Ion: 43 Resp: 152452
Ion Ratio Lower Upper
43 100
72 30.7 23.0 34.6



#26
2,2-Dichloropropane
Concen: 18.124 ug/l
RT: 6.77 min Scan# 1554
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Tgt Ion: 77 Resp: 94580
Ion Ratio Lower Upper
77 100
97 22.5 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 19.265 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.01 min

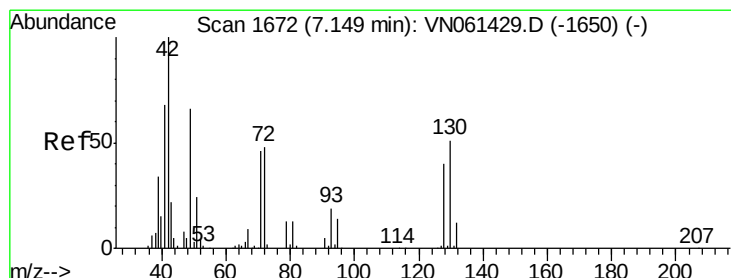
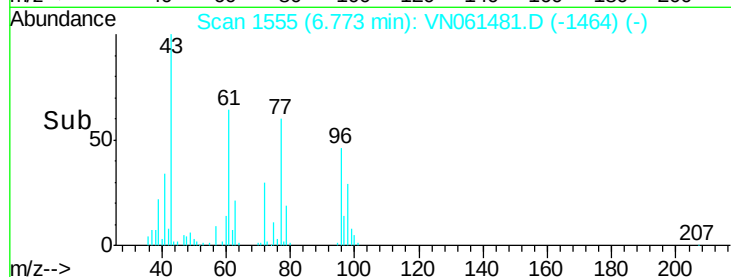
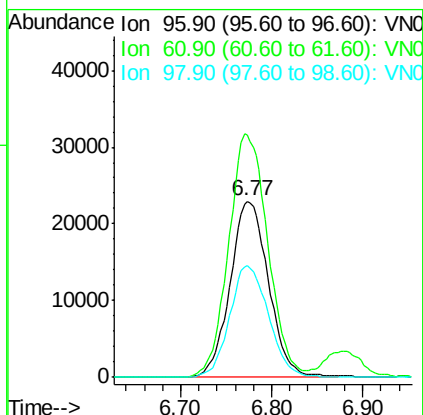
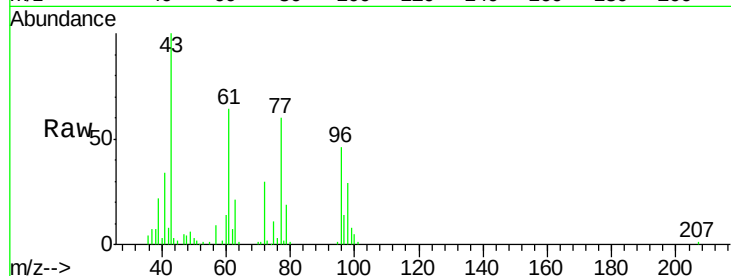
Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 67342

Ion	Ratio	Lower	Upper
96	100		
61	140.6	0.0	294.2
98	63.8	0.0	128.2



#28

Bromochloromethane

Concen: 21.702 ug/l

RT: 7.15 min Scan# 1671

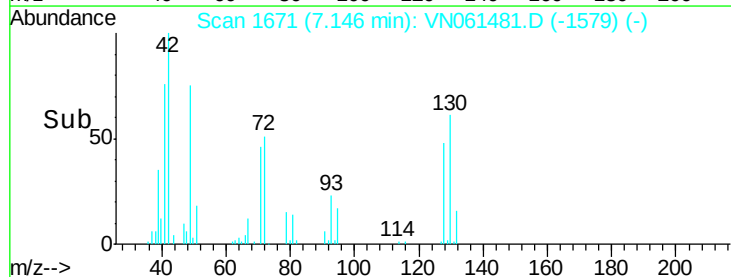
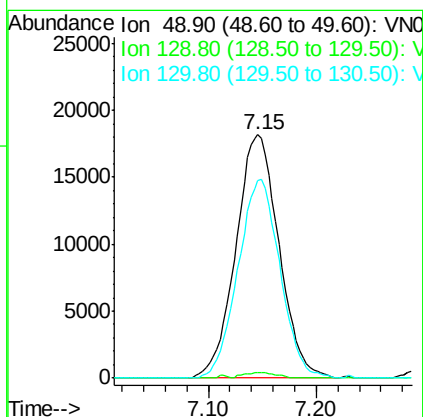
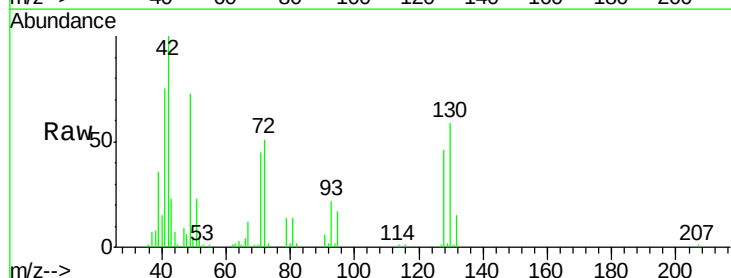
Delta R.T. -0.00 min

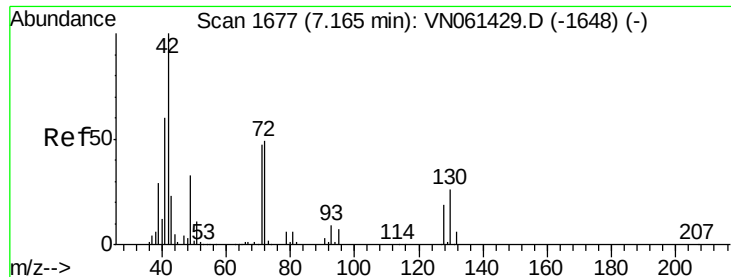
Lab File: VN061481.D

Acq: 19 May 2020 14:23

Tgt Ion: 49 Resp: 50427

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.6
130	79.6	62.2	93.2

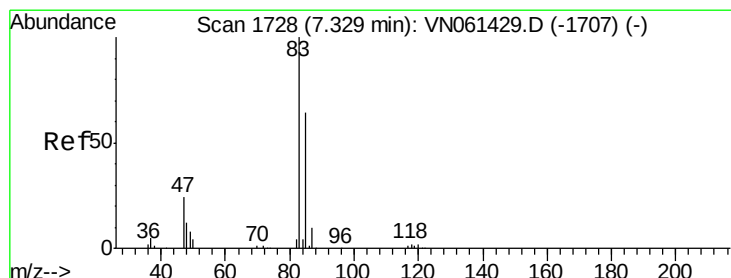
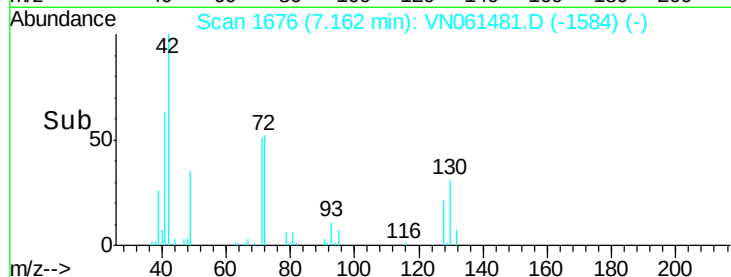
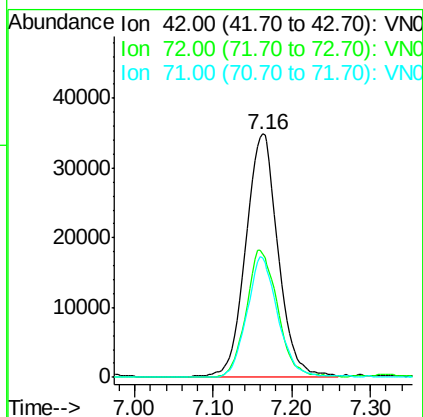
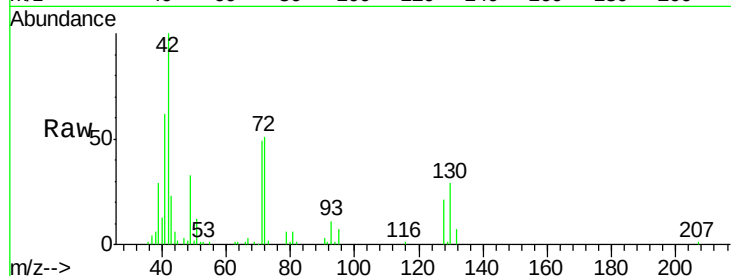




#29
Tetrahydrofuran
Concen: 90.770 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

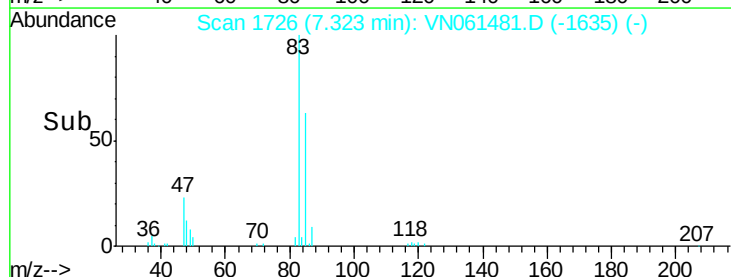
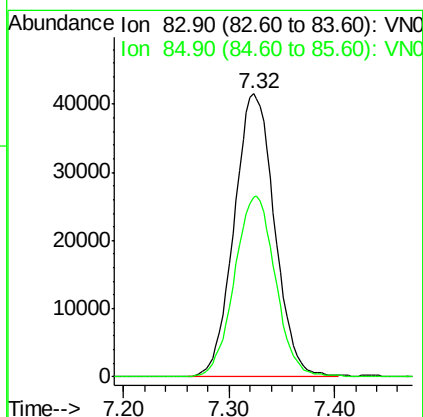
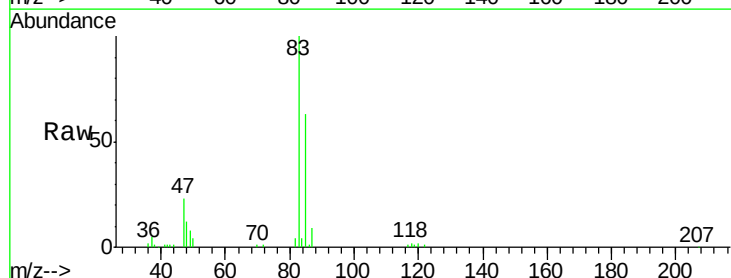
Instrument :
MSVOA_N
ClientSampleId :

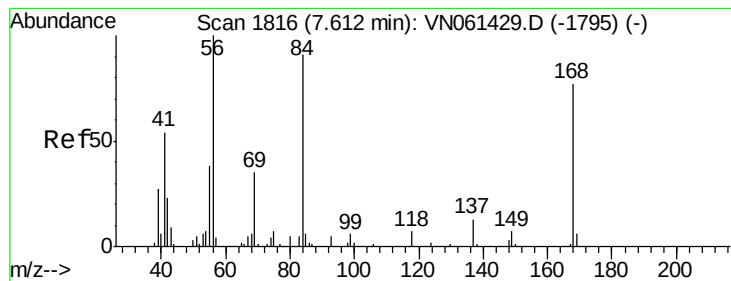
Tot Ion: 42 Resp: 102274
Ion Ratio Lower Upper
42 100
72 50.6 39.0 58.6
71 46.9 36.9 55.3



#30
Chloroform
Concen: 19.313 ug/l
RT: 7.32 min Scan# 1726
Delta R.T. -0.01 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Tgt Ion: 83 Resp: 110422
Ion Ratio Lower Upper
83 100
85 63.4 51.0 76.4





#31

Cyclohexane

Concen: 17.165 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

ClientSampled :

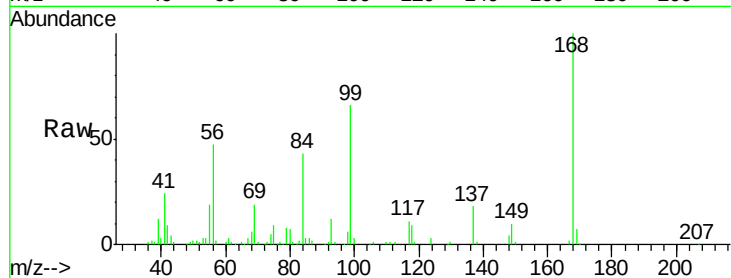
Tot Ion: 56 Resp: 92126

Ion Ratio Lower Upper

56 100

69 40.0 27.8 41.6

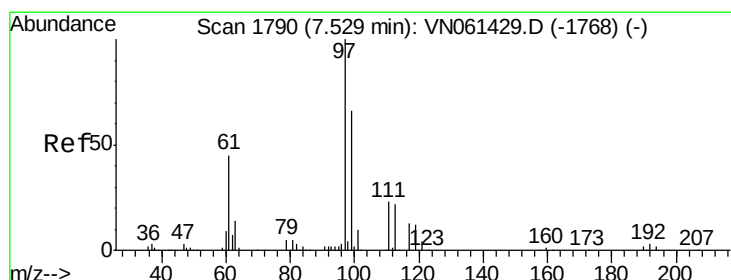
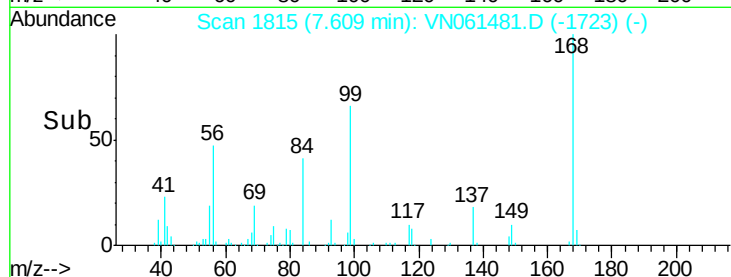
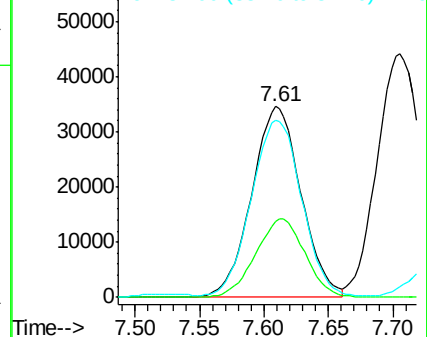
84 91.5 72.7 109.1



Abundance Ion 56.00 (55.70 to 56.70): VN061481.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN061481.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN061481.D (-1723) (-)



#32

1,1,1-Trichloroethane

Concen: 18.454 ug/l

RT: 7.52 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

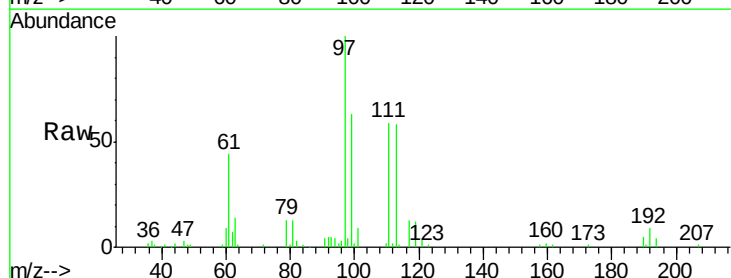
Tgt Ion: 97 Resp: 96418

Ion Ratio Lower Upper

97 100

99 63.6 51.5 77.3

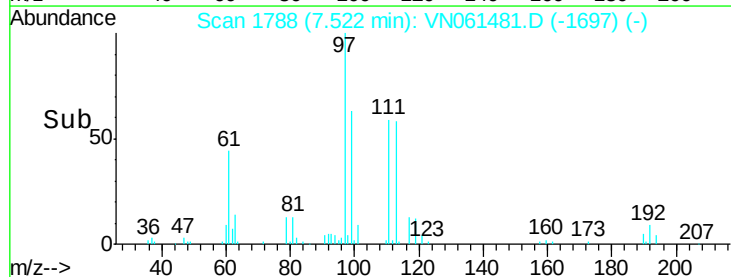
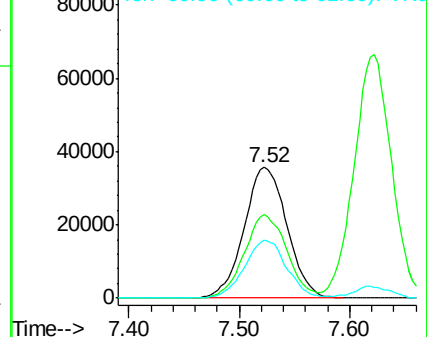
61 43.4 35.8 53.6

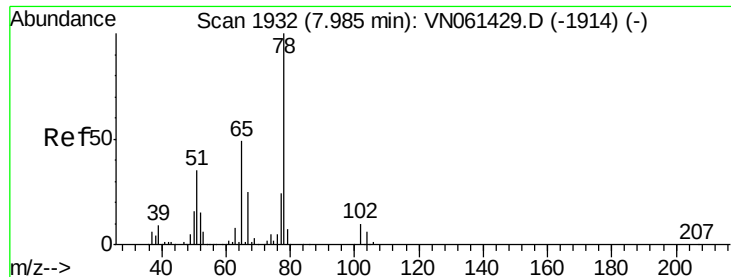


Abundance Ion 96.90 (96.60 to 97.60): VN061481.D (-1697) (-)

Ion 98.90 (98.60 to 99.60): VN061481.D (-1697) (-)

Ion 60.90 (60.60 to 61.60): VN061481.D (-1697) (-)

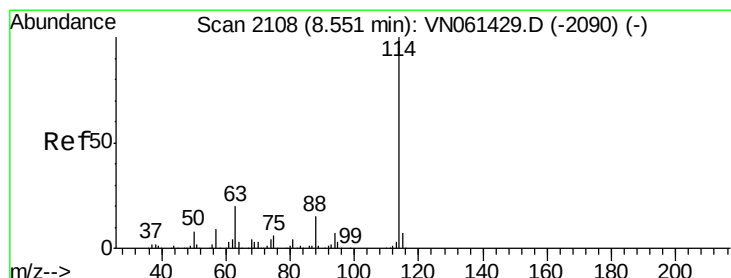
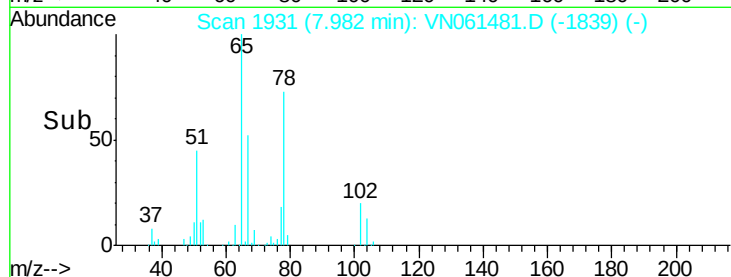
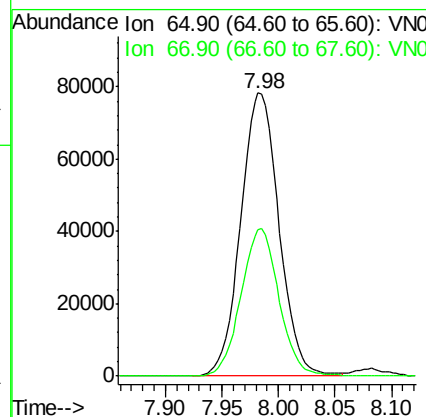
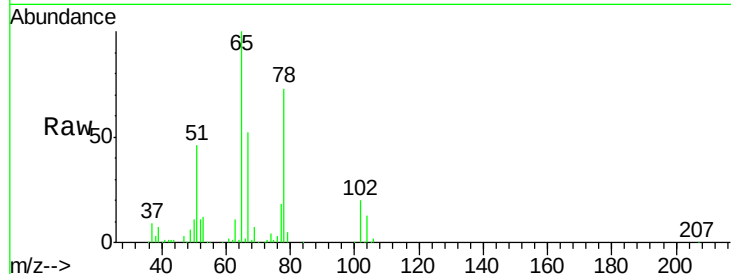




#33
 1,2-Dichloroethane-d4
 Concen: 49.345 ug/l
 RT: 7.98 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

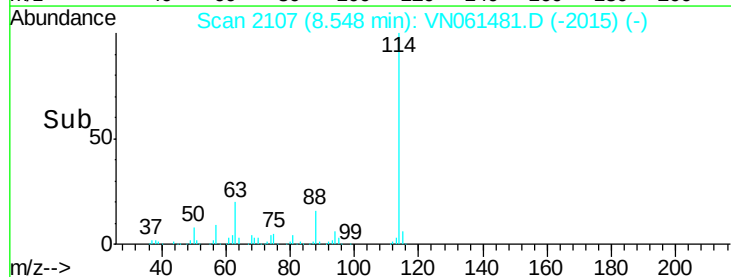
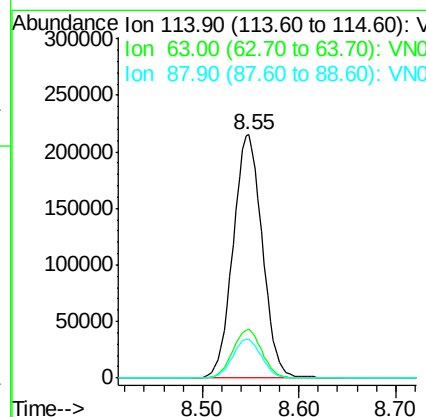
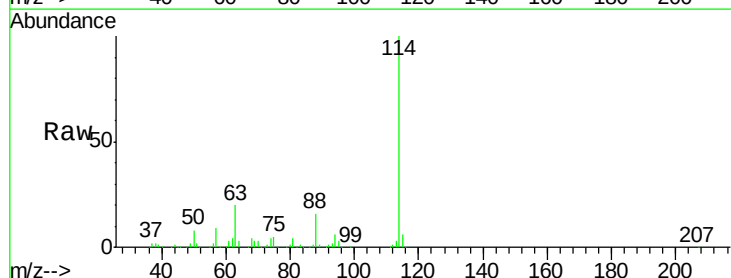
Instrument :
 MSVOA_N
 ClientSampleId :

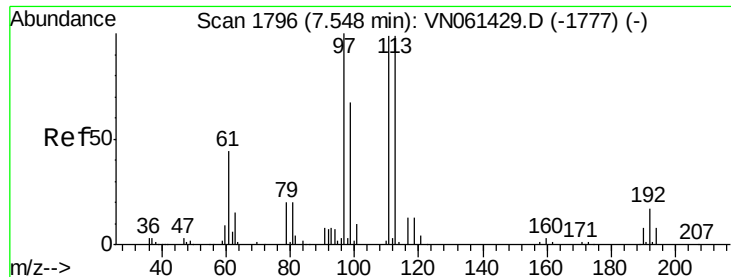
Tot Ion: 65 Resp: 184384
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Tgt Ion: 114 Resp: 451374
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.8
 88 15.8 0.0 30.8

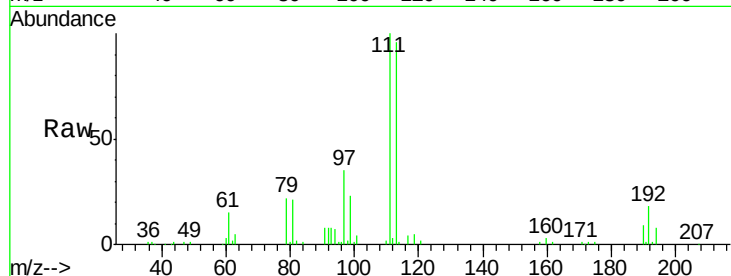




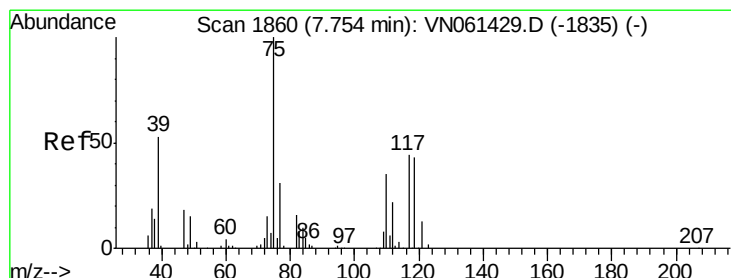
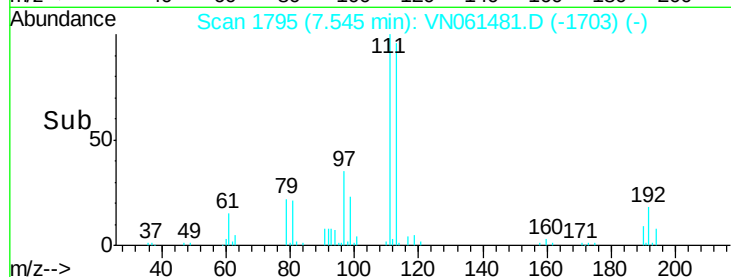
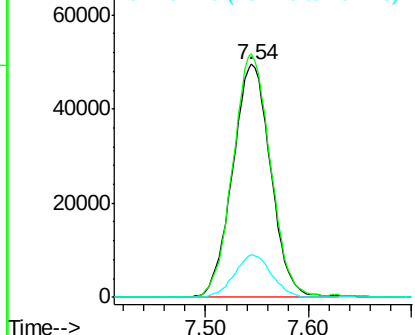
#35
 Dibromofluoromethane
 Concen: 53.872 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 127388
 Ion Ratio Lower Upper
 113 100
 111 103.0 80.6 121.0
 192 17.8 13.2 19.8

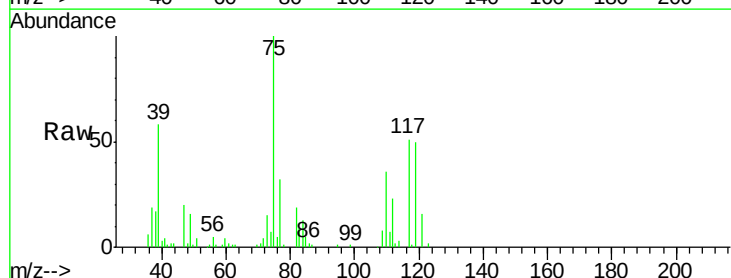


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

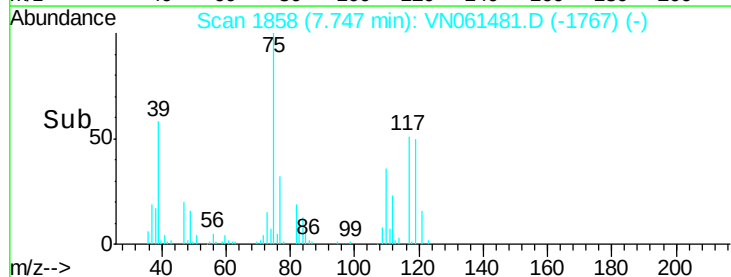
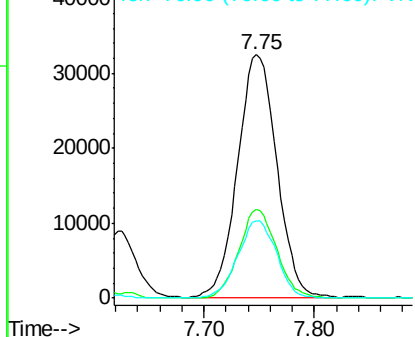


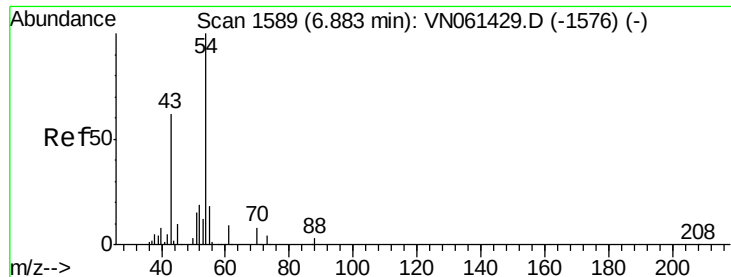
#36
 1,1-Dichloropropene
 Concen: 19.126 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.01 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Tgt Ion: 75 Resp: 80724
 Ion Ratio Lower Upper
 75 100
 110 34.9 17.3 51.9
 77 31.1 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

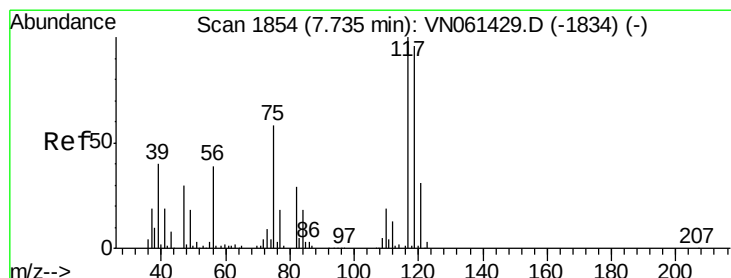
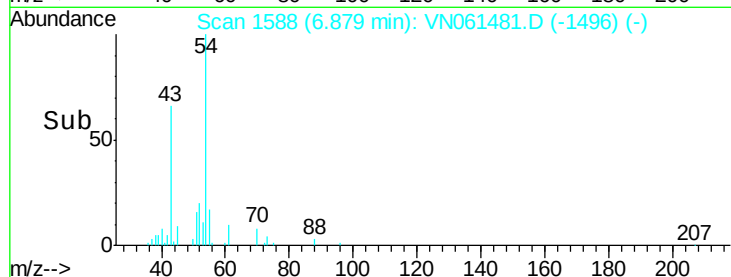
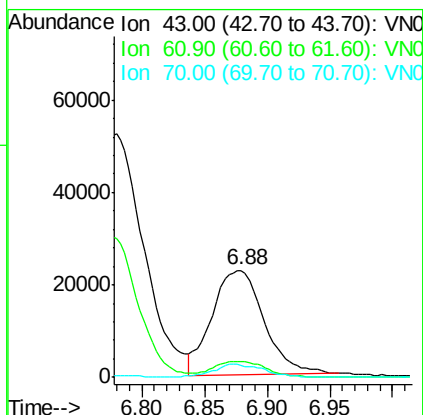
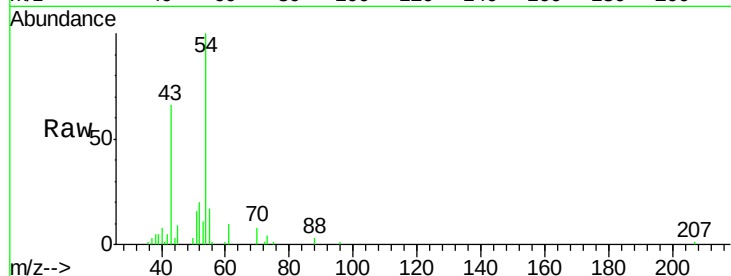




#37
Ethyl Acetate
Concen: 17.007 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

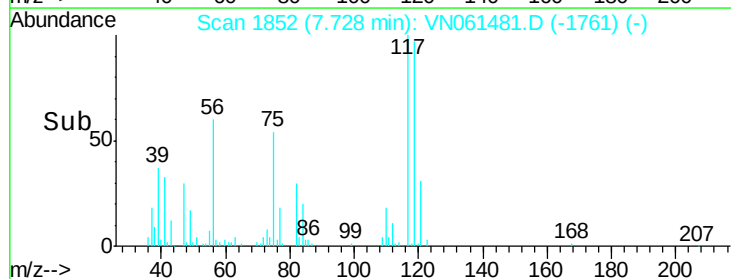
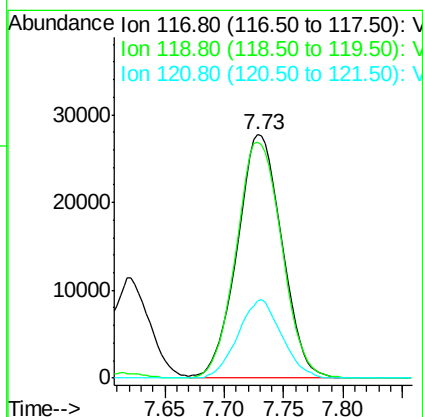
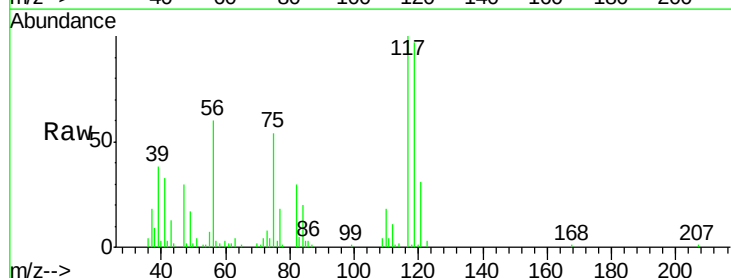
Instrument :
MSVOA_N
ClientSampleId :

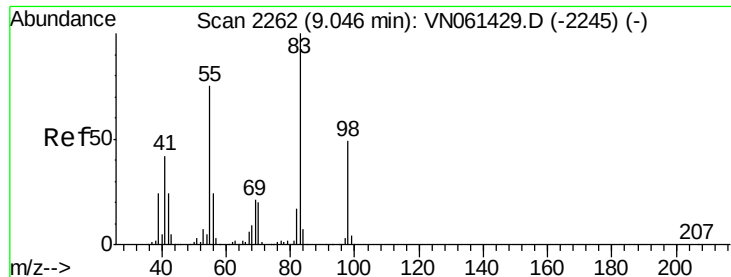
Tot Ion: 43 Resp: 65095
Ion Ratio Lower Upper
43 100
61 15.6 11.7 17.5
70 12.3 9.2 13.8



#38
Carbon Tetrachloride
Concen: 18.607 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.01 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Tgt Ion: 117 Resp: 72311
Ion Ratio Lower Upper
117 100
119 97.0 77.0 115.6
121 31.5 24.7 37.1

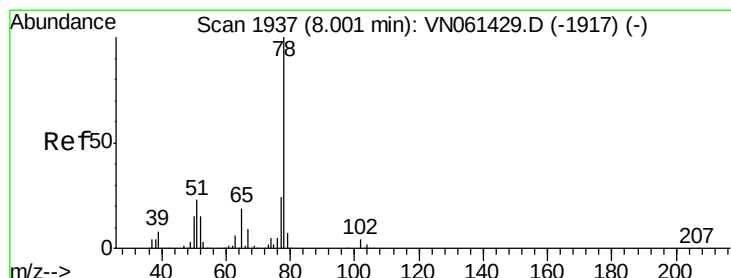
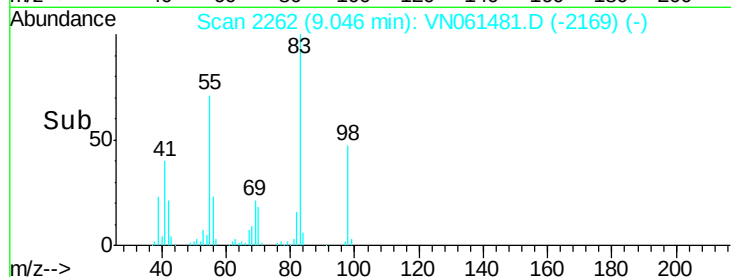
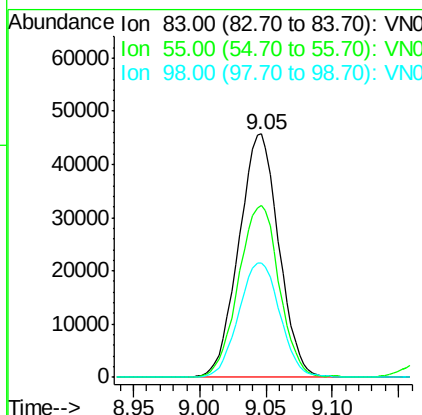
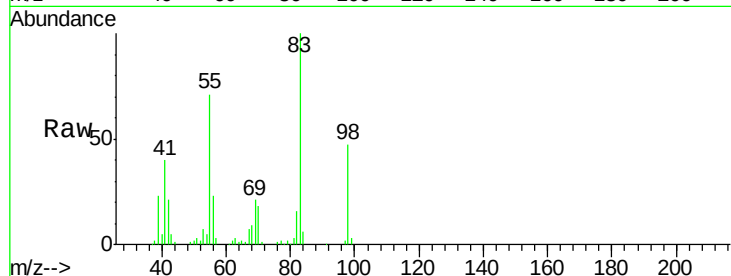




#39
Methylvlcyclohexane
Concen: 18.605 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

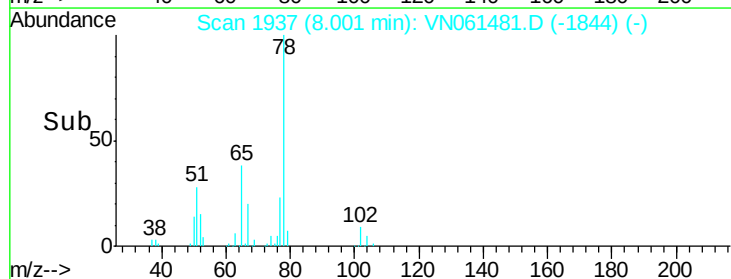
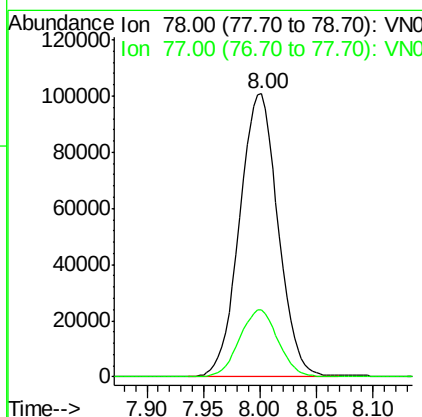
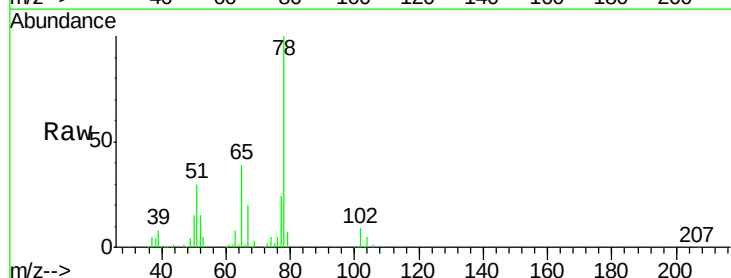
Instrument :
MSVOA_N
ClientSampleId :

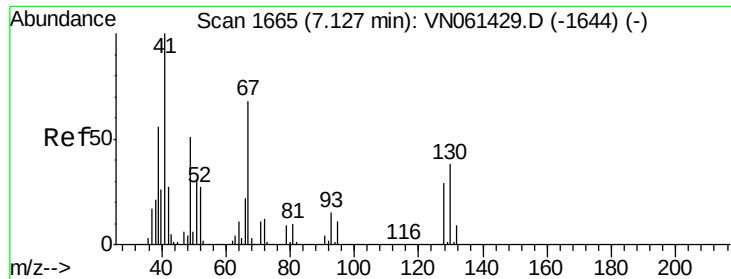
Tot Ion: 83 Resp: 95907
Ion Ratio Lower Upper
83 100
55 70.6 59.7 89.5
98 47.1 38.9 58.3



#40
Benzene
Concen: 18.794 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Tgt Ion: 78 Resp: 239039
Ion Ratio Lower Upper
78 100
77 23.5 19.1 28.7

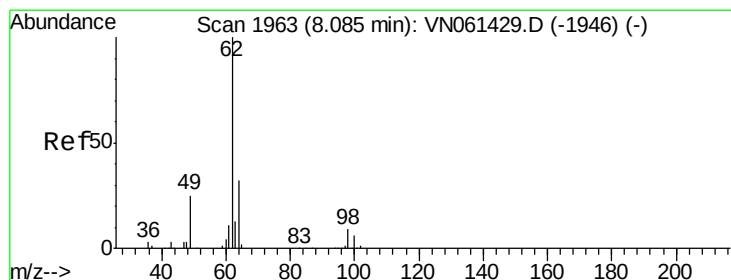
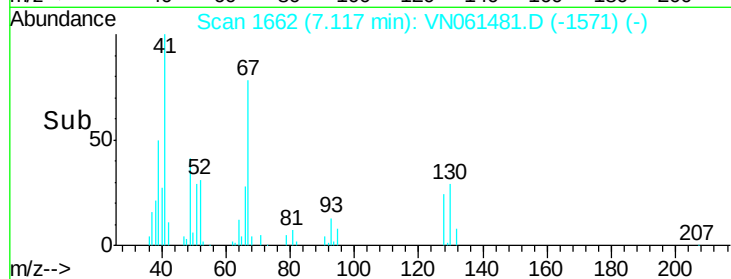
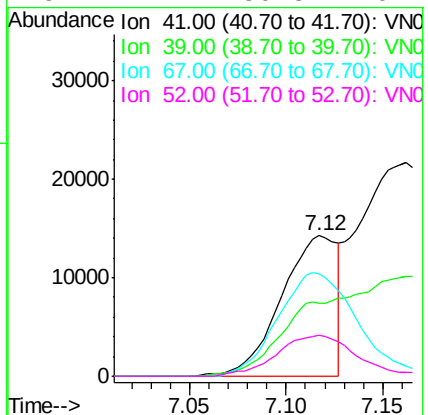
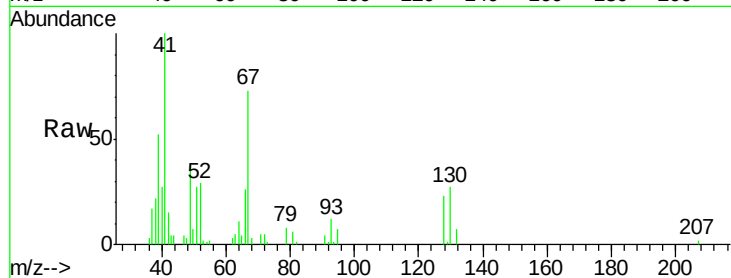




#41
Methacrylonitrile
Concen: 17.667 ug/l
RT: 7.12 min Scan# 1662
Delta R.T. -0.01 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

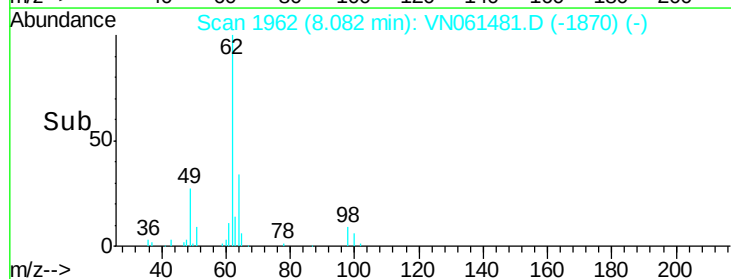
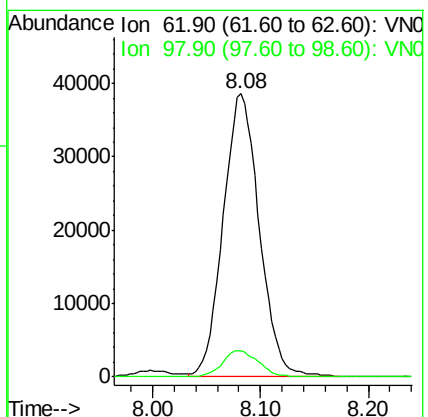
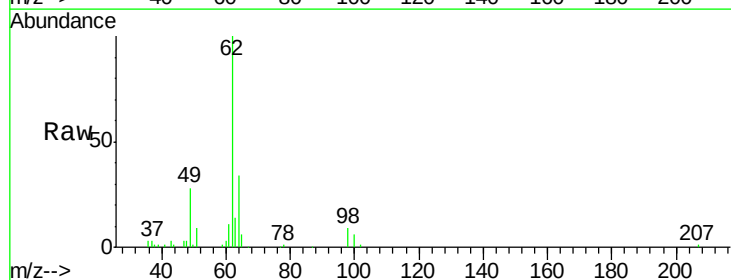
Instrument :
MSVOA_N
ClientSampled :

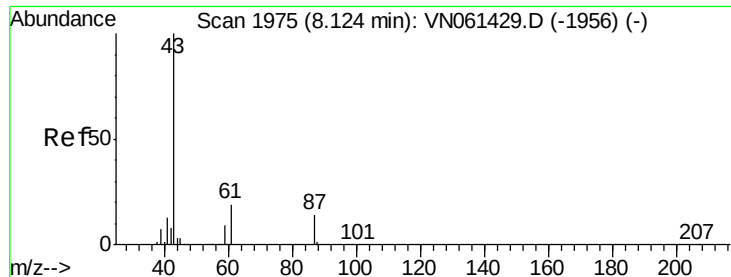
Tot Ion: 41 Resp: 28561
Ion Ratio Lower Upper
41 100
39 45.4 48.3 72.5#
67 105.3 74.2 111.4
52 42.2 30.8 46.2



#42
1,2-Dichloroethane
Concen: 19.673 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Tgt Ion: 62 Resp: 90152
Ion Ratio Lower Upper
62 100
98 9.1 0.0 18.4





#43

Isopropyl Acetate

Concen: 17.739 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

ClientSampleId :

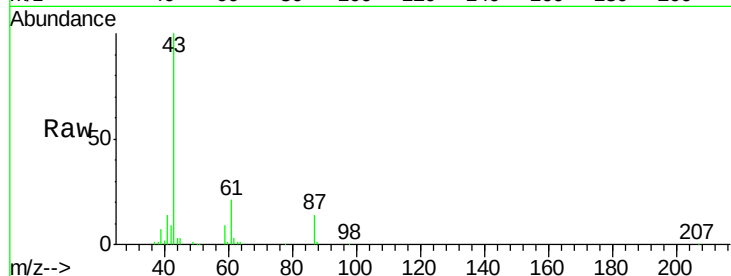
Tot Ion: 43 Resp: 118420

Ion Ratio Lower Upper

43 100

61 22.1 23.0 34.4#

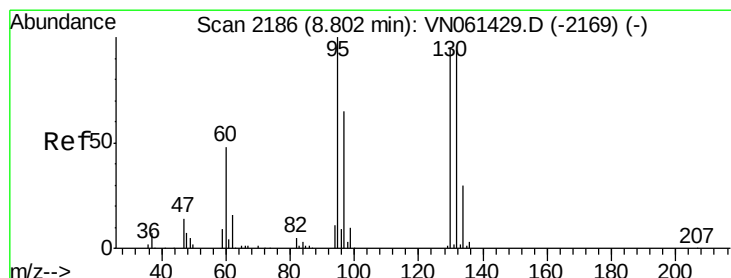
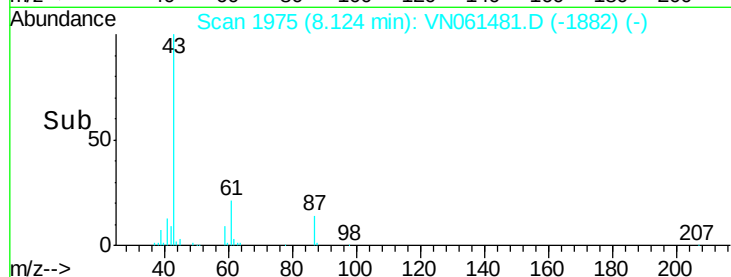
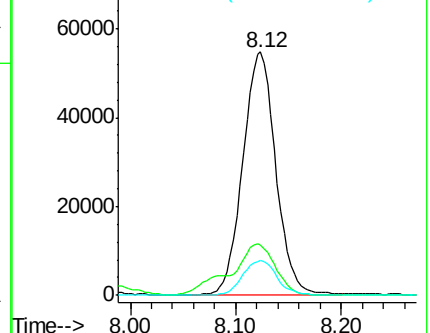
87 14.9 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VN061429.D (-1956) (-)

Ion 61.00 (60.70 to 61.70): VN061429.D (-1956) (-)

Ion 87.00 (86.70 to 87.70): VN061429.D (-1956) (-)



#44

Trichloroethene

Concen: 19.893 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN061481.D

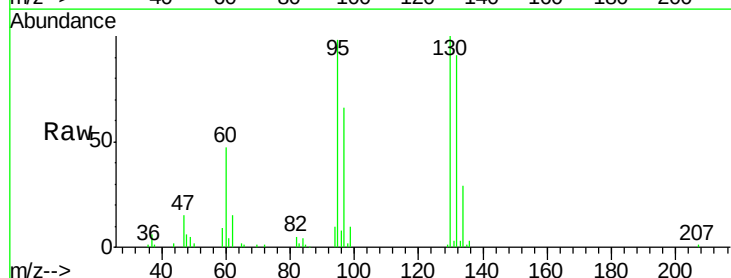
Acq: 19 May 2020 14:23

Tgt Ion:130 Resp: 66296

Ion Ratio Lower Upper

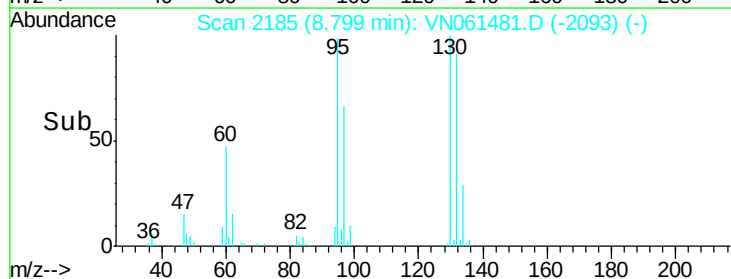
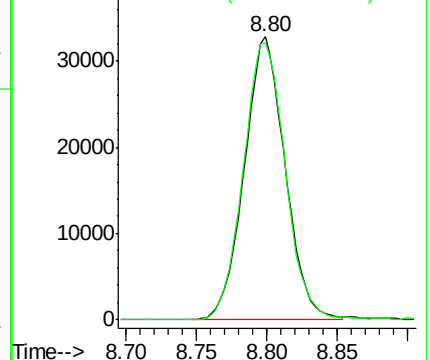
130 100

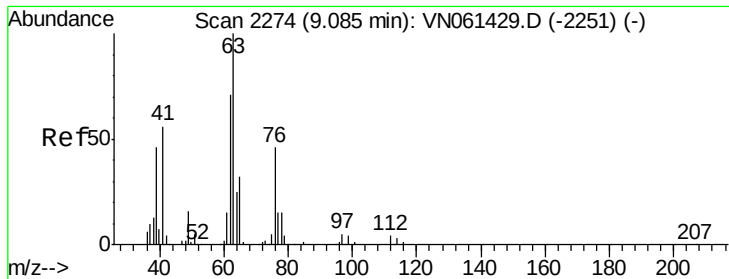
95 98.0 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): VN061429.D (-2169) (-)

Ion 94.90 (94.60 to 95.60): VN061429.D (-2169) (-)





#45

1,2-Dichloropropane

Concen: 19.302 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

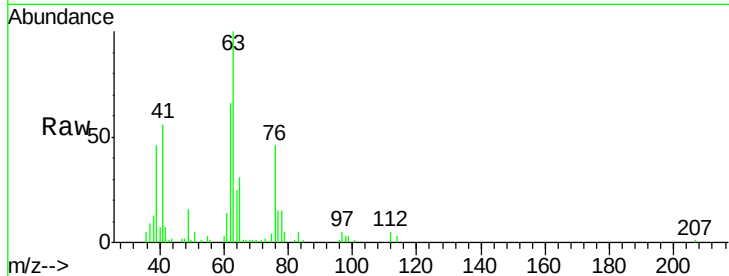
ClientSampleId :

Tot Ion: 63 Resp: 61449

Ion Ratio Lower Upper

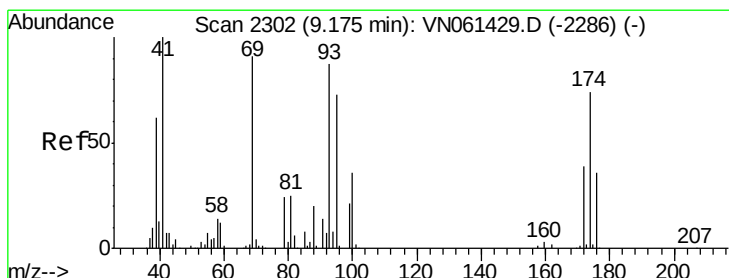
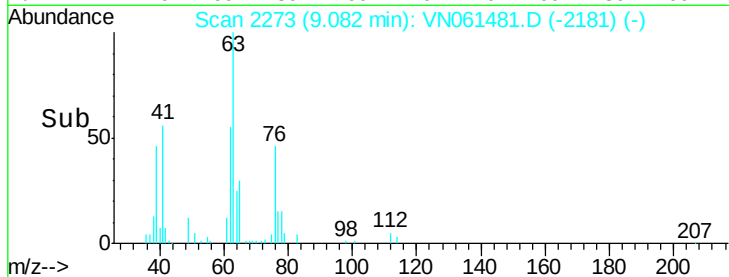
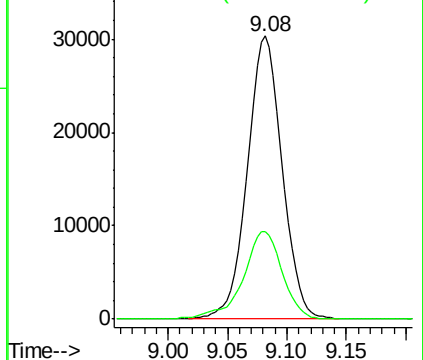
63 100

65 30.8 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.789 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

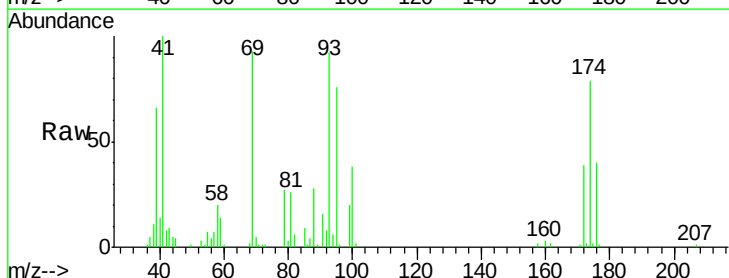
Tgt Ion: 93 Resp: 44164

Ion Ratio Lower Upper

93 100

95 83.3 65.6 98.4

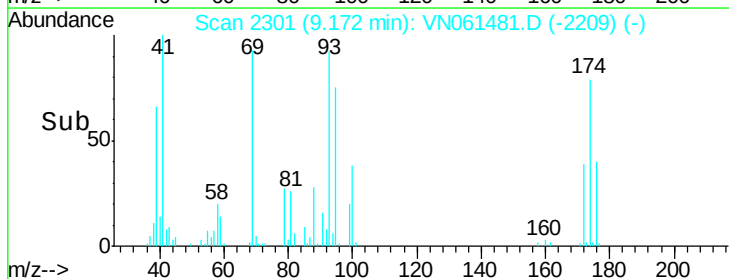
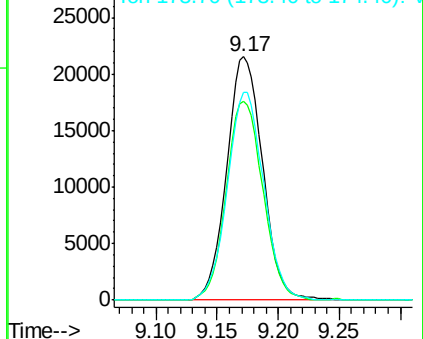
174 86.2 68.0 102.0

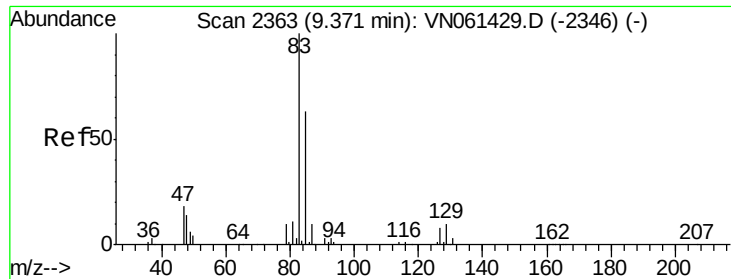


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.291 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

ClientSampled :

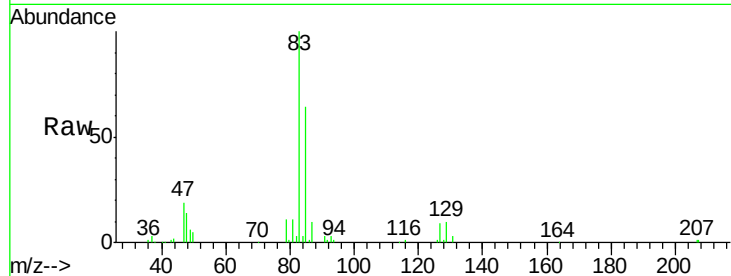
Tot Ion: 83 Resp: 90710

Ion Ratio Lower Upper

83 100

85 63.9 50.6 76.0

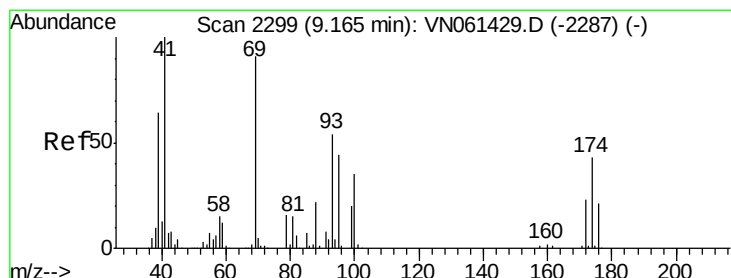
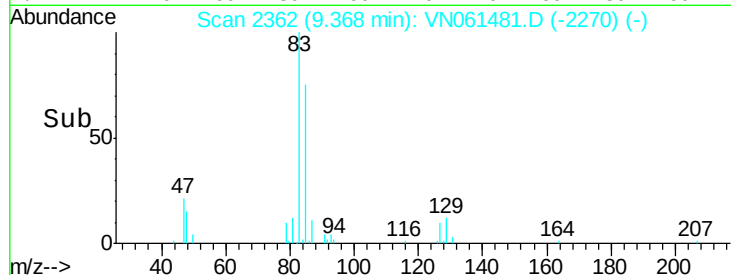
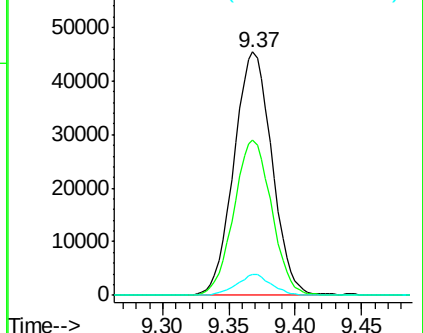
127 8.7 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VN061481.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN061481.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061481.D (-2270) (-)



#48

Methyl methacrylate

Concen: 17.256 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

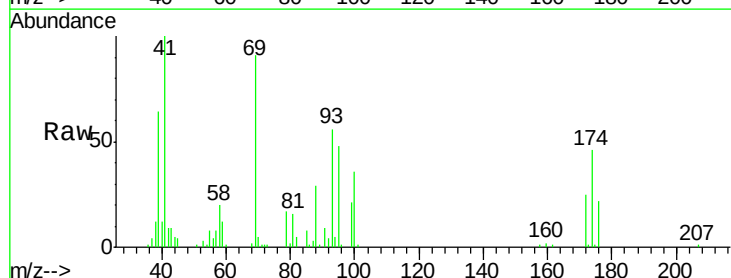
Tgt Ion: 41 Resp: 53215

Ion Ratio Lower Upper

41 100

69 96.9 75.3 112.9

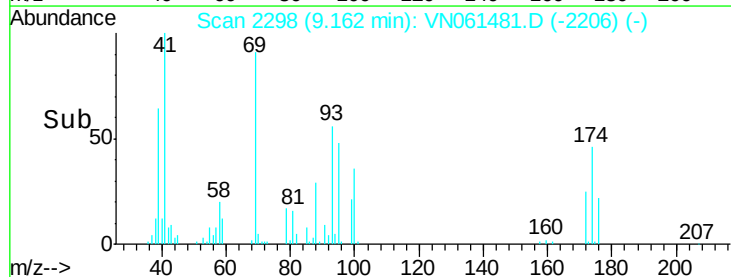
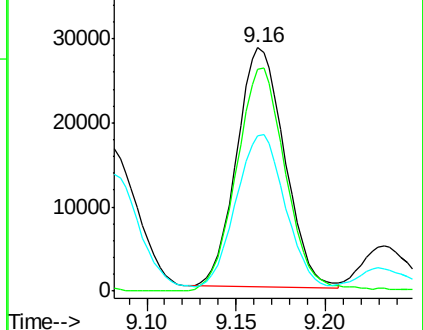
39 67.4 52.6 79.0

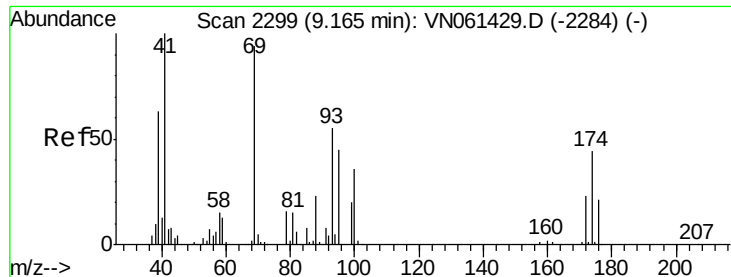


Abundance Ion 41.00 (40.70 to 41.70): VN061481.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061481.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061481.D (-2206) (-)

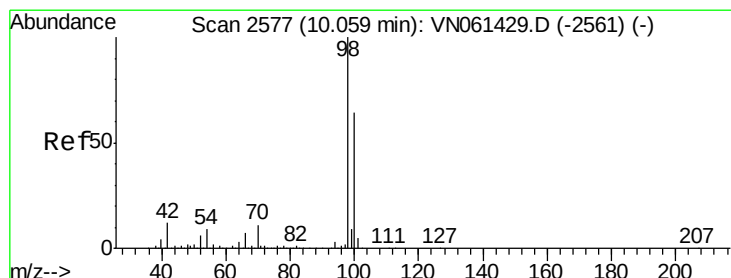
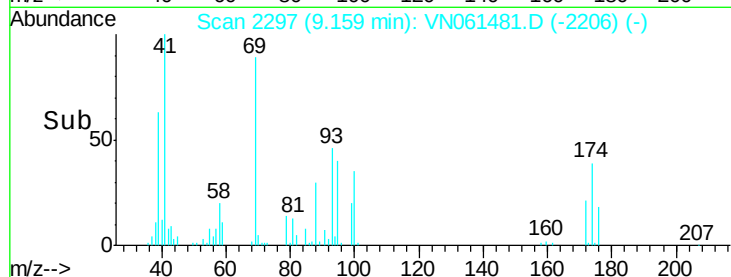
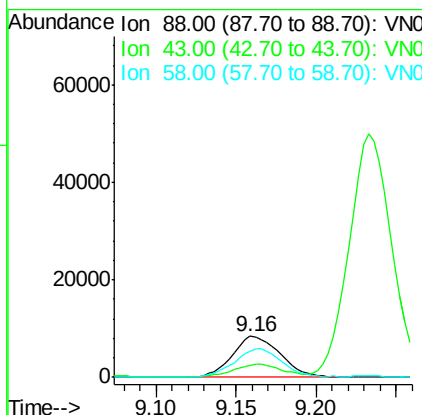
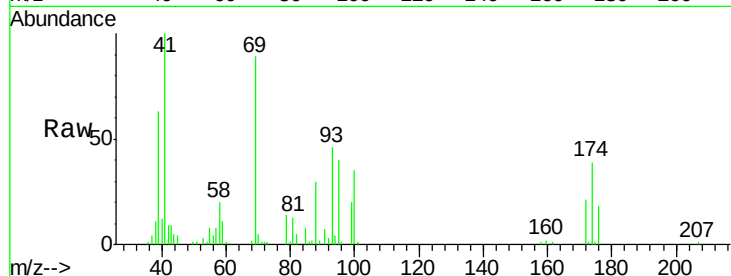




#49
1,4-Dioxane
Concen: 510.833 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.01 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

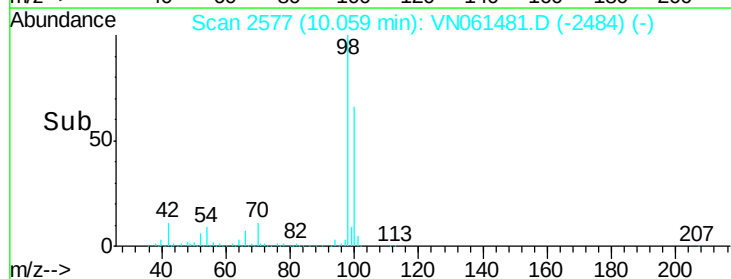
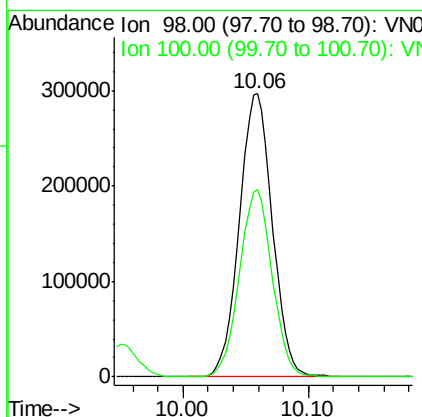
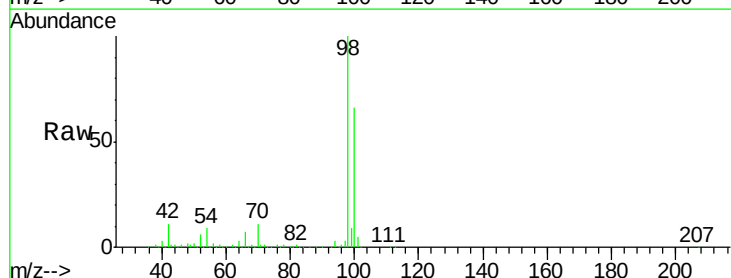
Instrument :
MSVOA_N
ClientSampled :

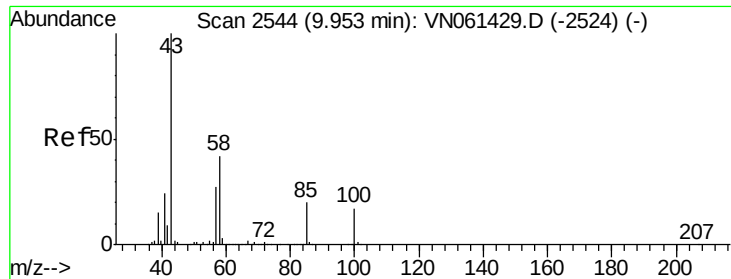
Tot Ion: 88 Resp: 17168
Ion Ratio Lower Upper
88 100
43 33.2 26.3 39.5
58 68.3 54.1 81.1



#50
Toluene-d8
Concen: 49.526 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Tgt Ion: 98 Resp: 543183
Ion Ratio Lower Upper
98 100
100 65.6 51.8 77.8

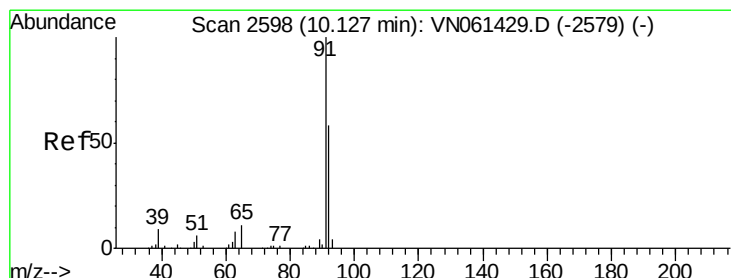
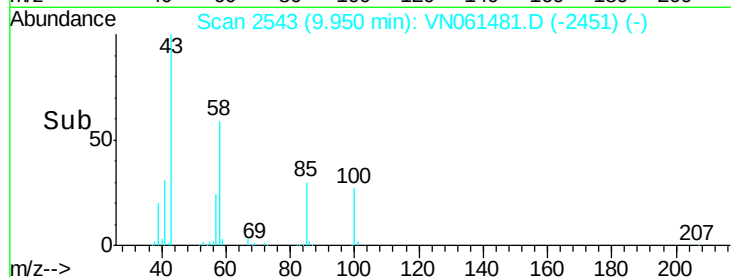
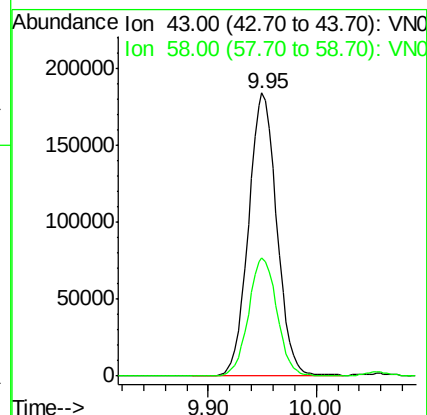
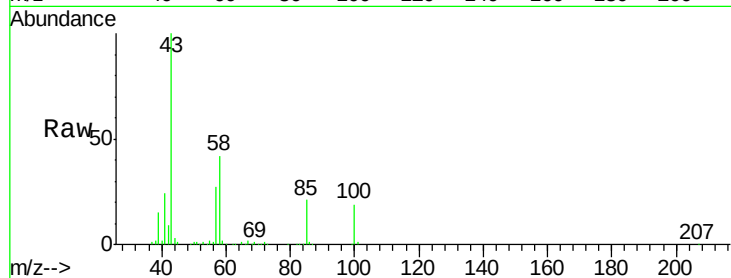




#51
 4-Methyl-2-Pentanone
 Concen: 91.709 ug/l
 RT: 9.95 min Scan# 2543
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

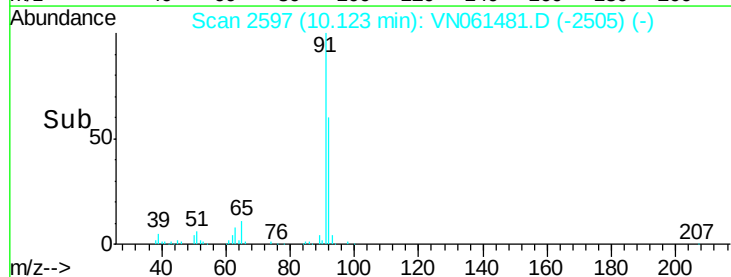
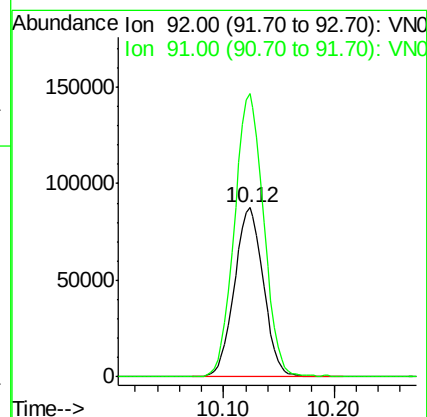
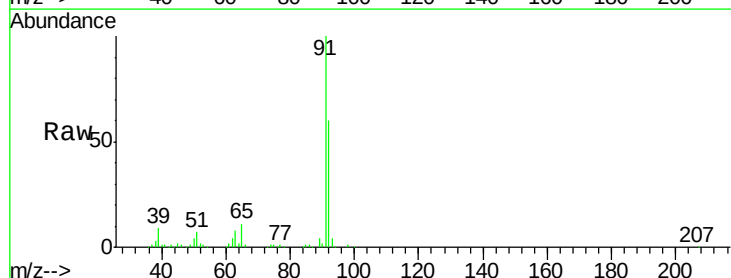
Instrument :
 MSVOA_N
 ClientSampled :

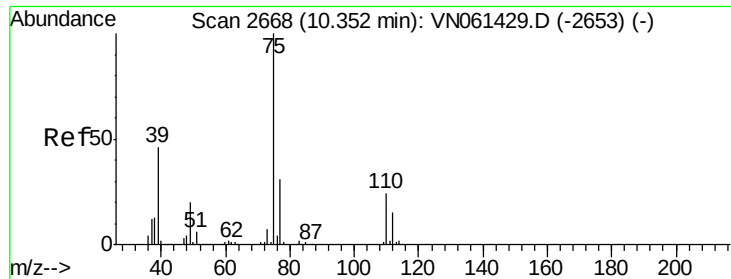
Tot Ion: 43 Resp: 333512
 Ion Ratio Lower Upper
 43 100
 58 42.3 33.4 50.2



#52
 Toluene
 Concen: 19.619 ug/l
 RT: 10.12 min Scan# 2597
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Tgt Ion: 92 Resp: 160204
 Ion Ratio Lower Upper
 92 100
 91 168.4 138.0 207.0





#53

t-1,3-Dichloropropene

Concen: 19.017 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

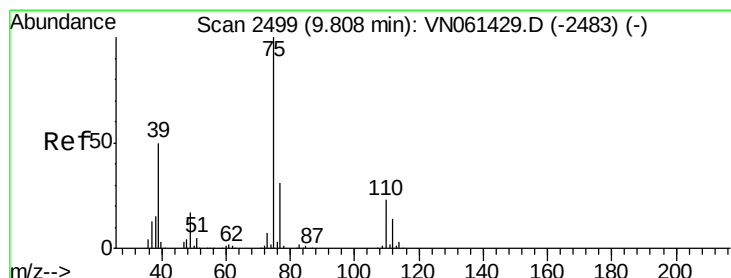
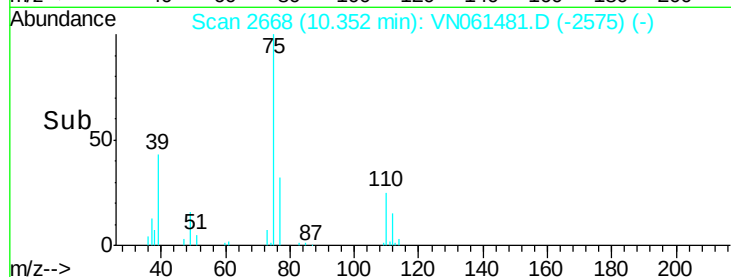
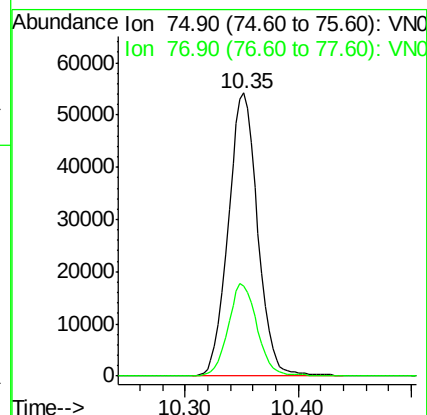
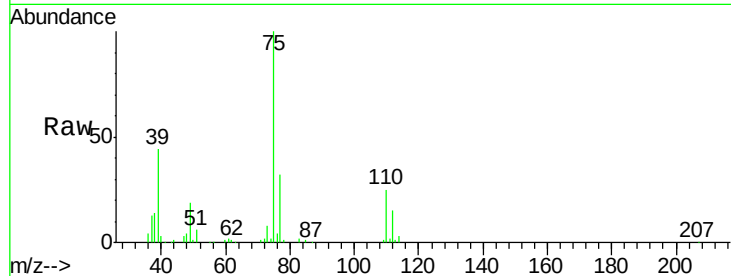
ClientSampleId :

Tot Ion: 75 Resp: 98013

Ion Ratio Lower Upper

75 100

77 32.0 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 19.083 ug/l

RT: 9.81 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

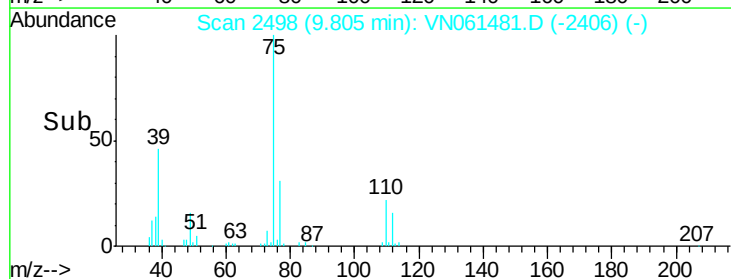
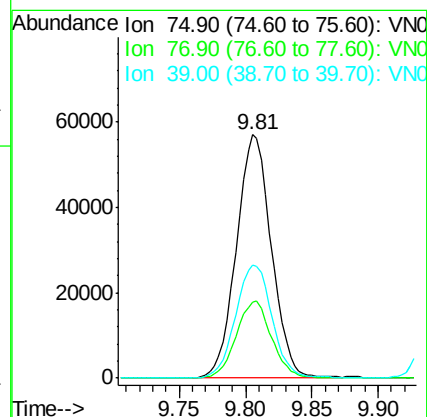
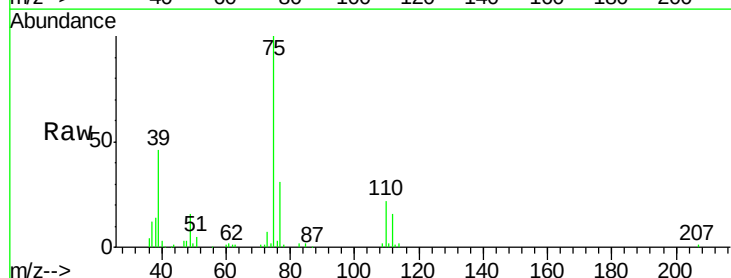
Tgt Ion: 75 Resp: 104553

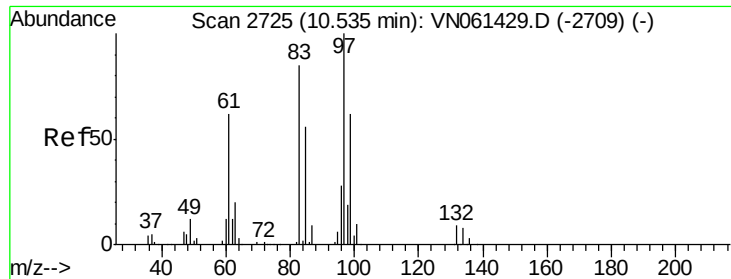
Ion Ratio Lower Upper

75 100

77 31.4 24.8 37.2

39 46.2 39.8 59.6

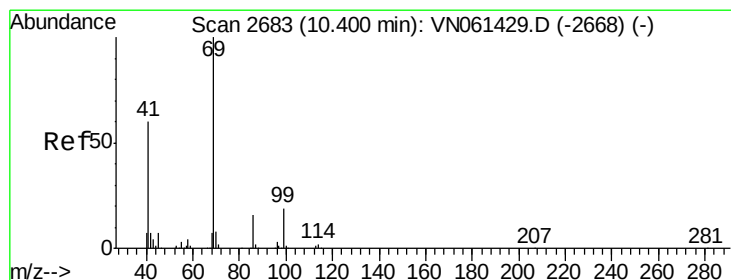
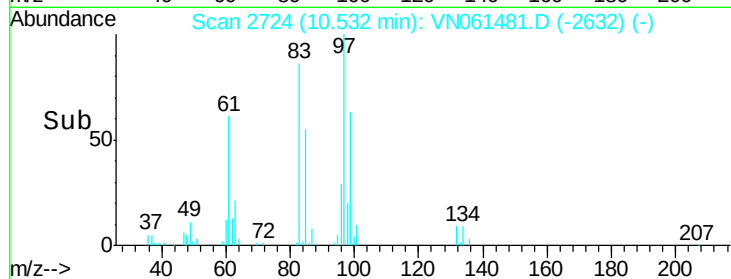
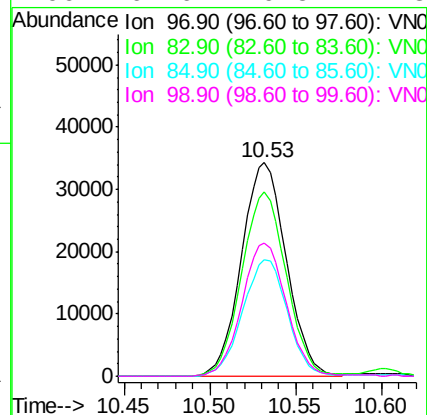
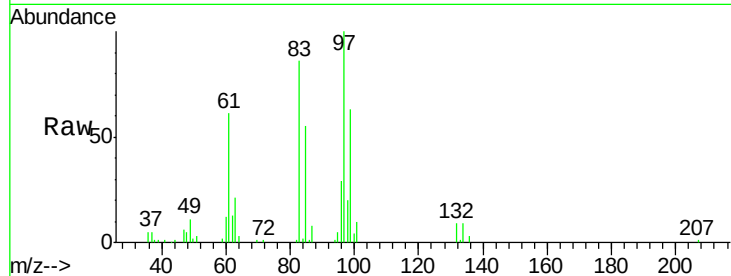




#55
 1,1,2-Trichloroethane
 Concen: 20.141 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

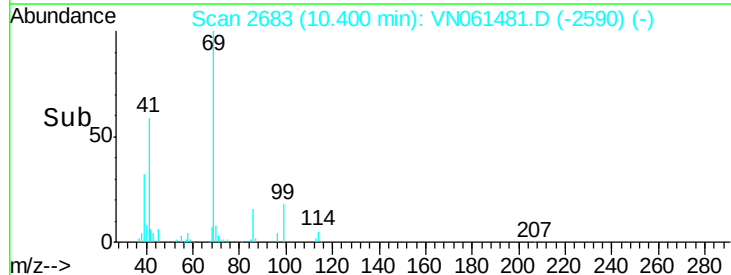
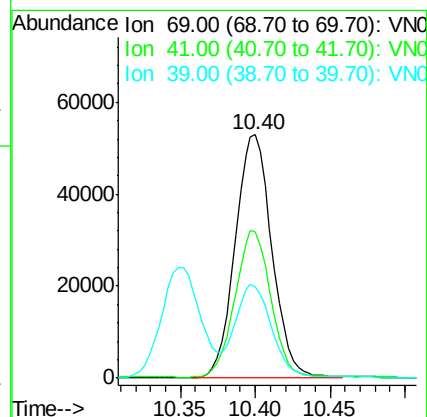
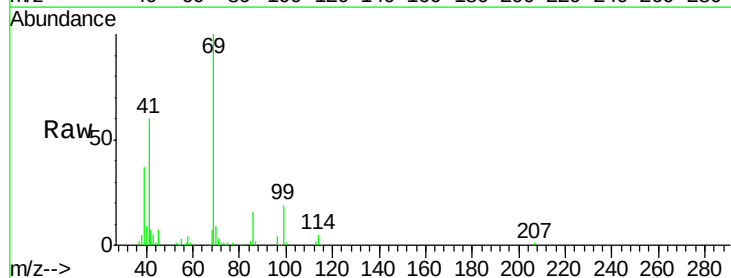
Instrument :
 MSVOA_N
 ClientSampleId :

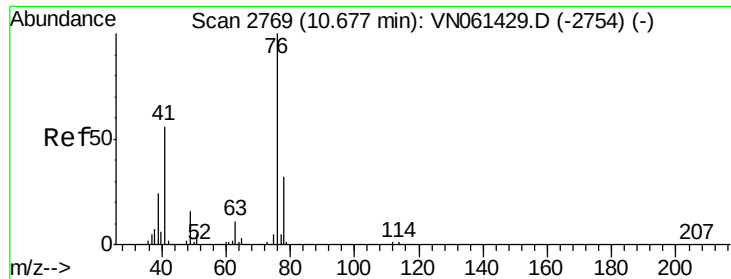
Tot Ion:	97	Resp:	62178
Ion	Ratio	Lower	Upper
97	100		
83	86.1	68.2	102.4
85	54.8	44.6	67.0
99	62.6	49.5	74.3



#56
 Ethyl methacrylate
 Concen: 18.765 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Tgt Ion:	69	Resp:	90567
Ion	Ratio	Lower	Upper
69	100		
41	59.0	48.3	72.5
39	37.1	30.2	45.2





#57

1,3-Dichloropropane

Concen: 19.591 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

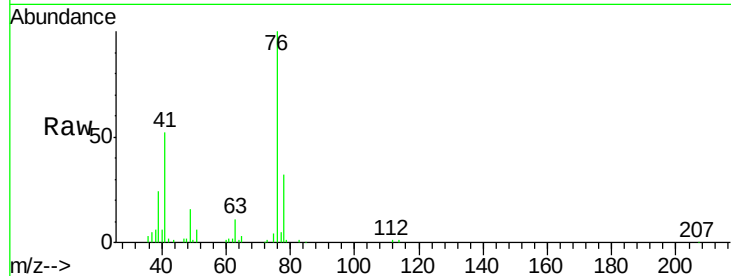
ClientSampled :

Tot Ion: 76 Resp: 104522

Ion Ratio Lower Upper

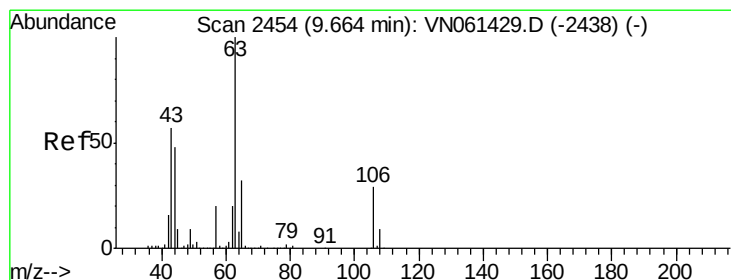
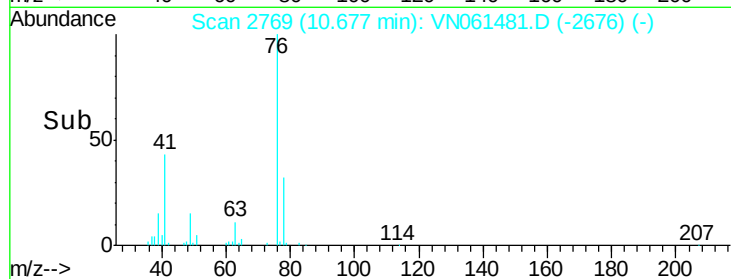
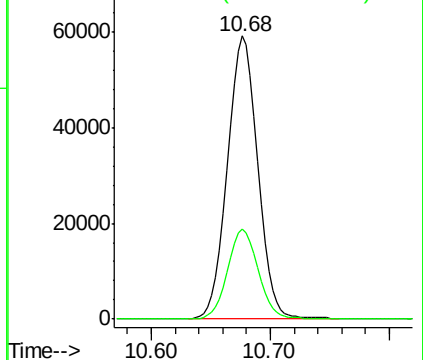
76 100

78 32.0 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 91.504 ug/l

RT: 9.66 min Scan# 2453

Delta R.T. -0.00 min

Lab File: VN061481.D

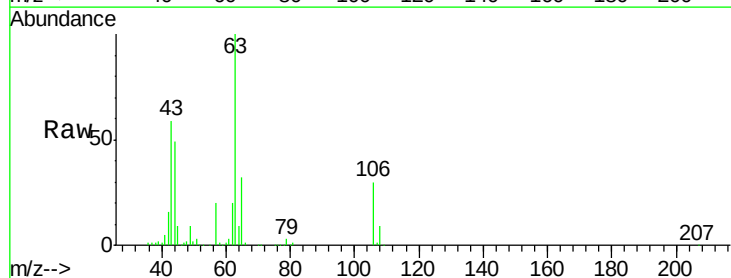
Acq: 19 May 2020 14:23

Tgt Ion: 63 Resp: 193855

Ion Ratio Lower Upper

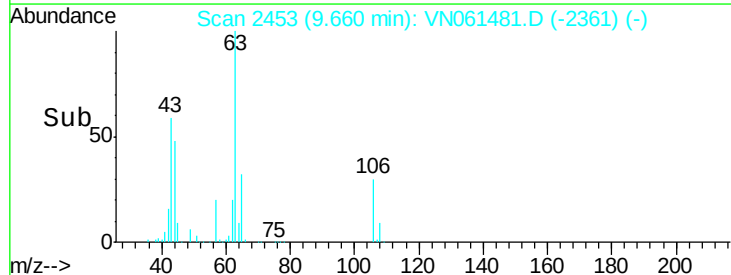
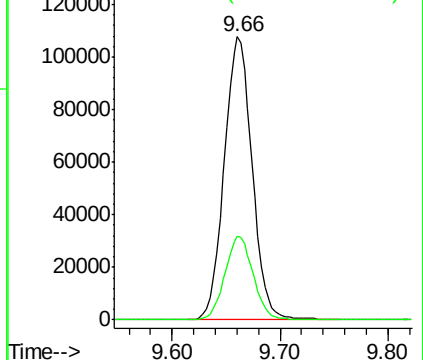
63 100

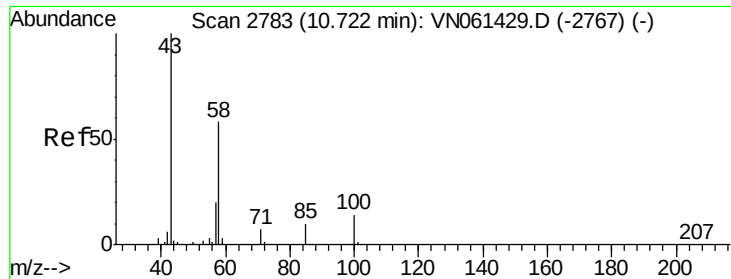
106 29.8 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

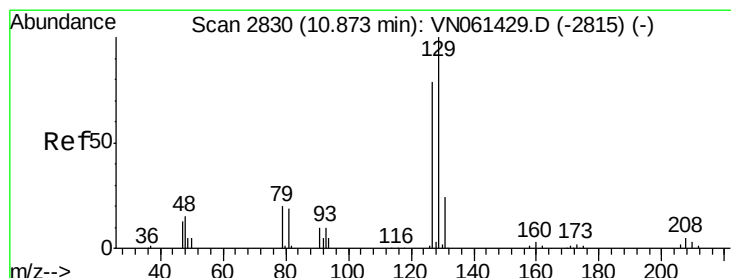
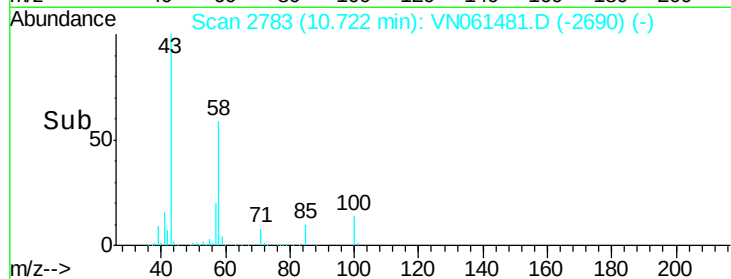
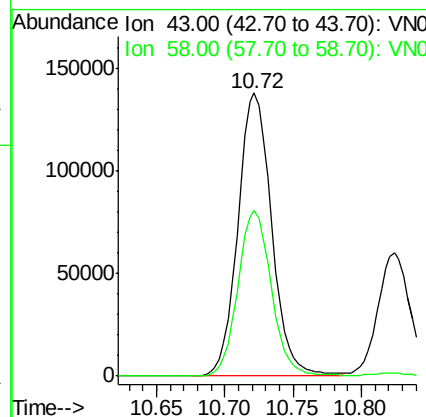
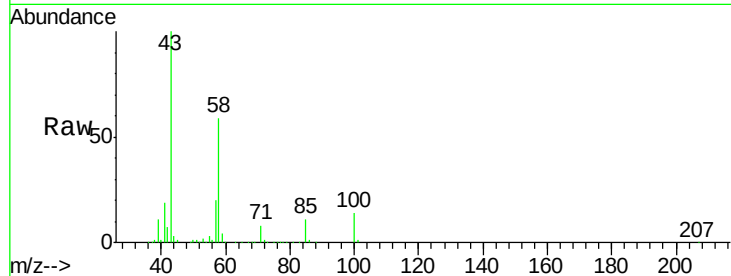




#59
2-Hexanone
Concen: 90.457 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

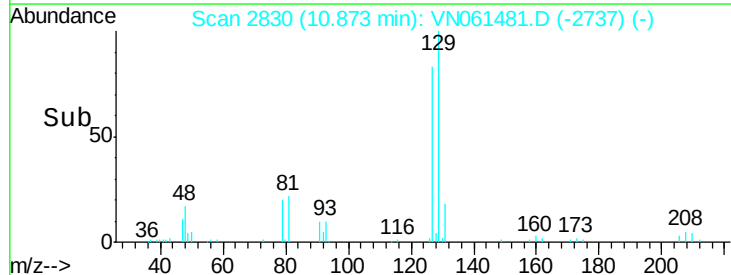
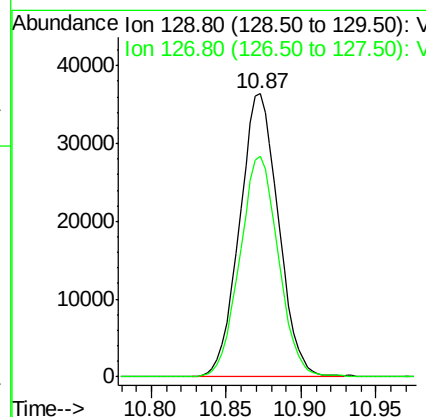
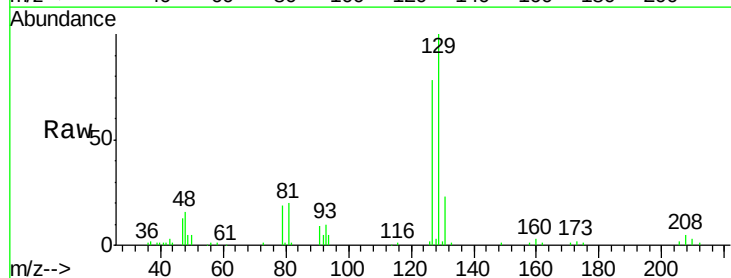
Instrument :
MSVOA_N
ClientSampled :

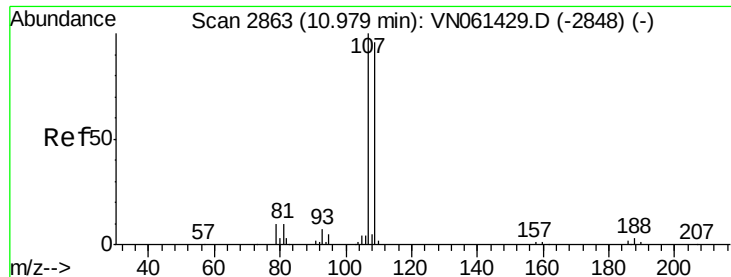
Tot Ion: 43 Resp: 237998
Ion Ratio Lower Upper
43 100
58 58.0 29.2 87.6



#60
Dibromochloromethane
Concen: 19.276 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Tgt Ion: 129 Resp: 65828
Ion Ratio Lower Upper
129 100
127 77.1 38.8 116.3

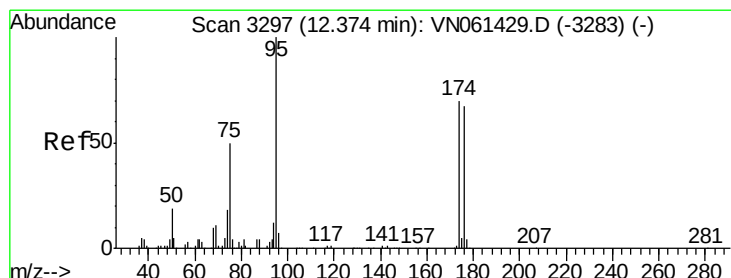
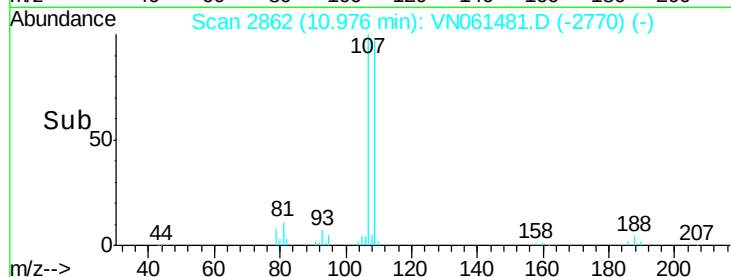
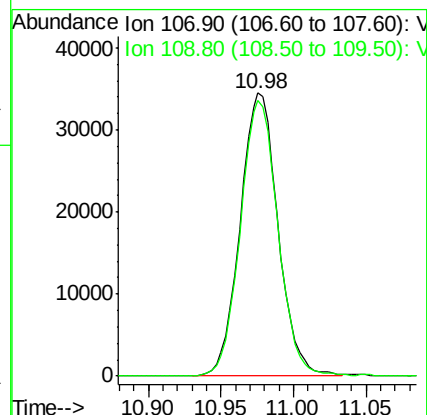
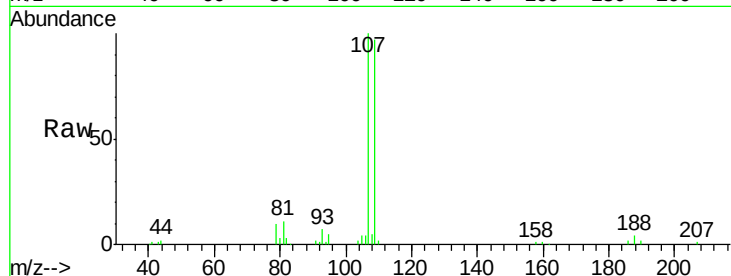




#61
 1,2-Dibromoethane
 Concen: 19.260 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

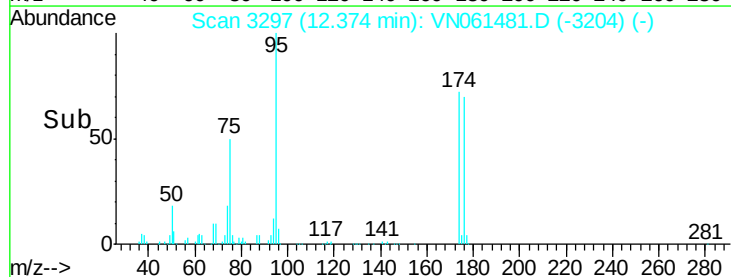
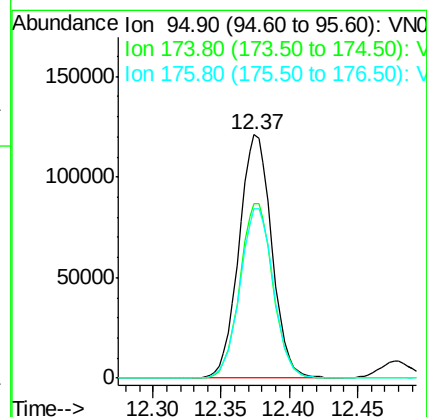
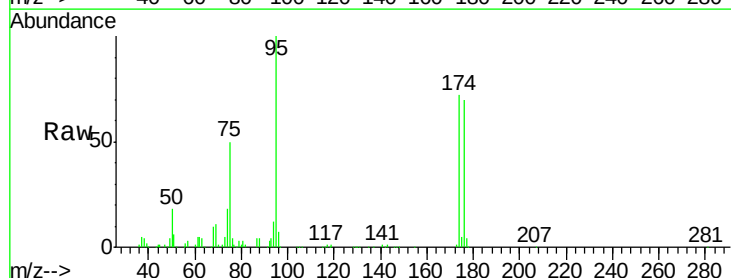
Instrument :
 MSVOA_N
 ClientSampleId :

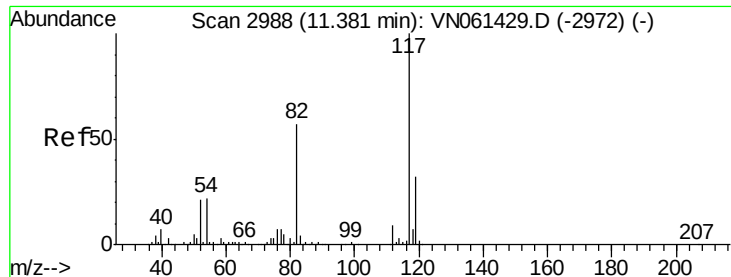
Tot Ion:107 Resp: 62517
 Ion Ratio Lower Upper
 107 100
 109 96.7 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 49.373 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Tgt Ion: 95 Resp: 202311
 Ion Ratio Lower Upper
 95 100
 174 72.0 0.0 141.2
 176 70.6 0.0 137.6

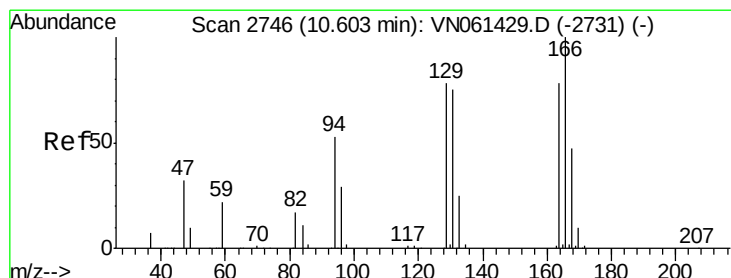
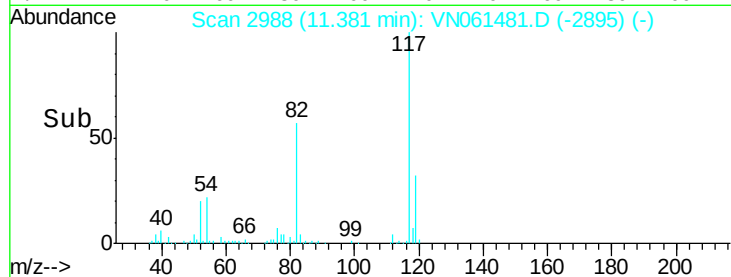
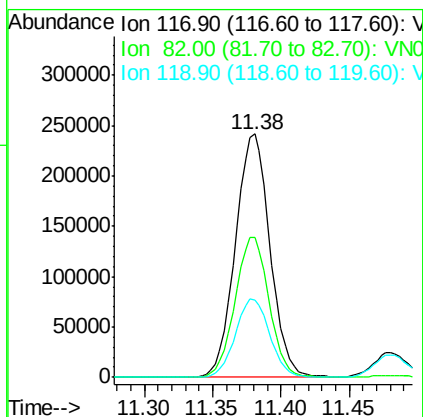
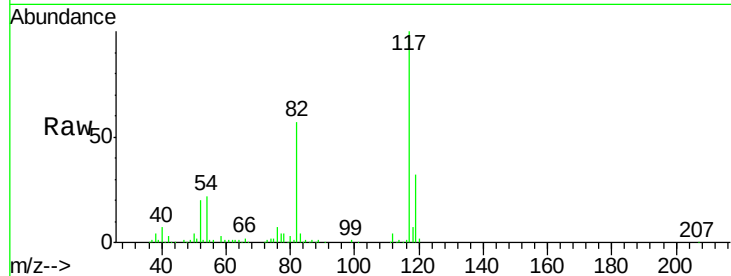




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

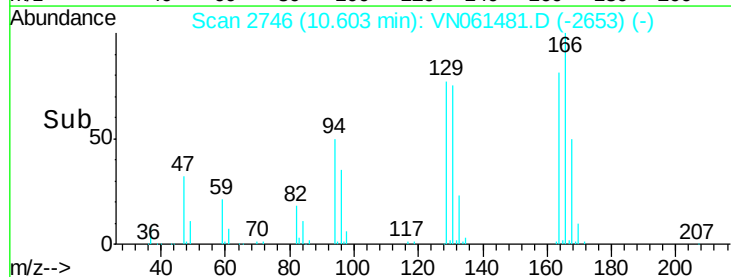
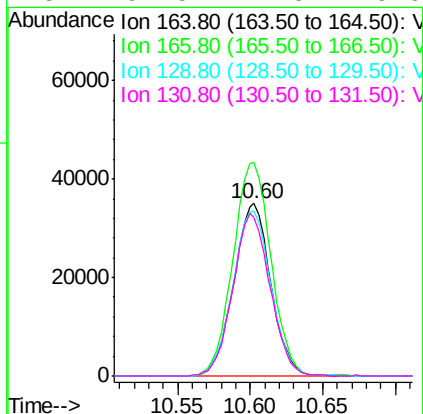
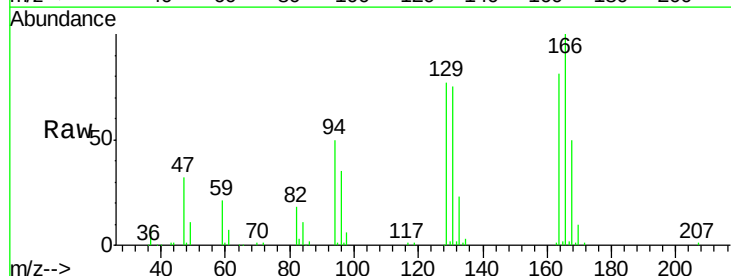
Instrument :
MSVOA_N
ClientSampleId :

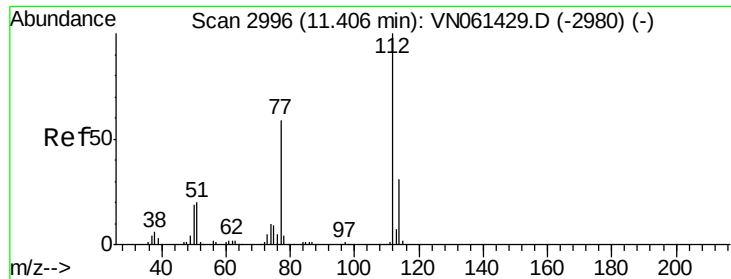
Tot Ion:117 Resp: 424615
Ion Ratio Lower Upper
117 100
82 57.3 45.2 67.8
119 31.9 25.3 37.9



#64
Tetrachloroethene
Concen: 18.860 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Tgt Ion:164 Resp: 61954
Ion Ratio Lower Upper
164 100
166 124.0 103.2 154.8
129 95.6 81.0 121.4
131 92.5 77.3 115.9





#65

Chlorobenzene

Concen: 19.438 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

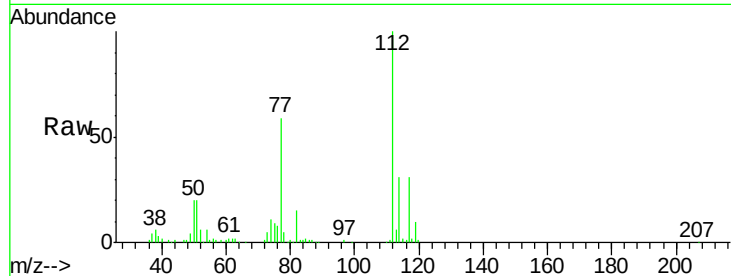
ClientSampled :

Tot Ion:112 Resp: 168309

Ion Ratio Lower Upper

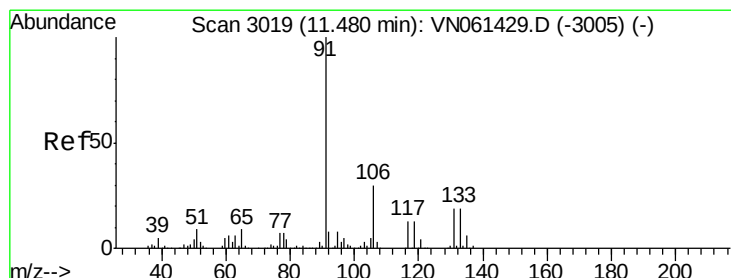
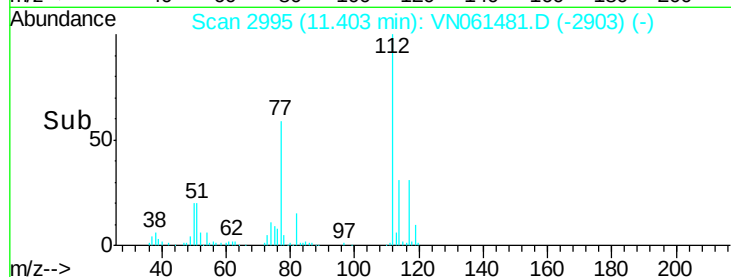
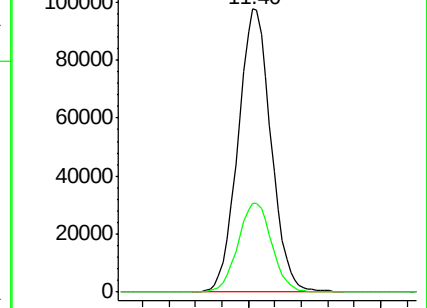
112 100

114 31.4 25.0 37.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.555 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

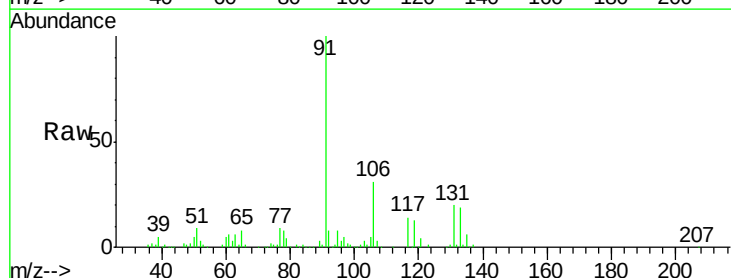
Tgt Ion:131 Resp: 60704

Ion Ratio Lower Upper

131 100

133 93.5 48.7 146.1

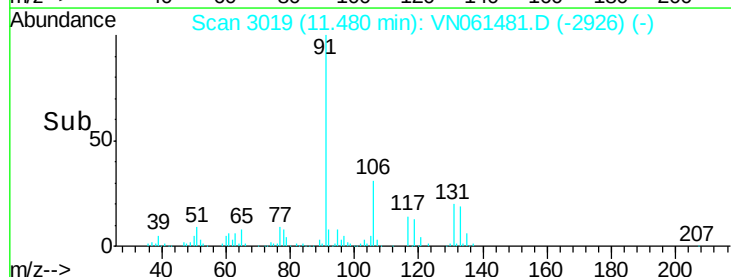
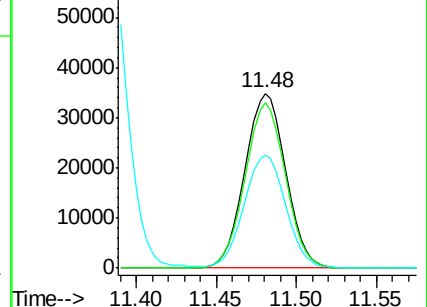
119 65.8 33.8 101.3

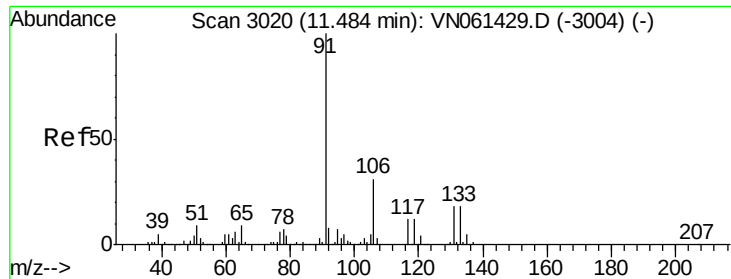


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.314 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

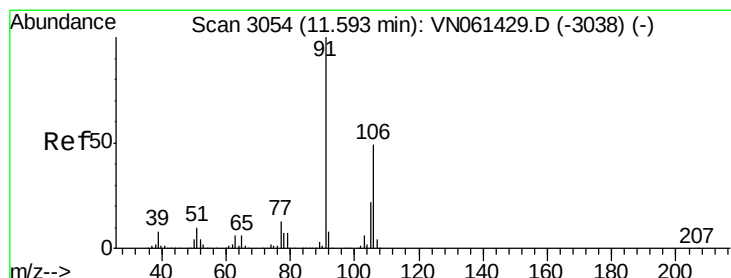
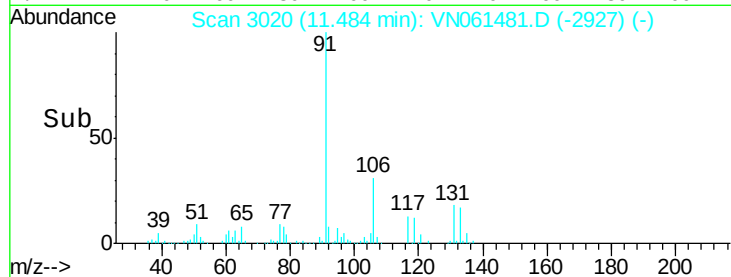
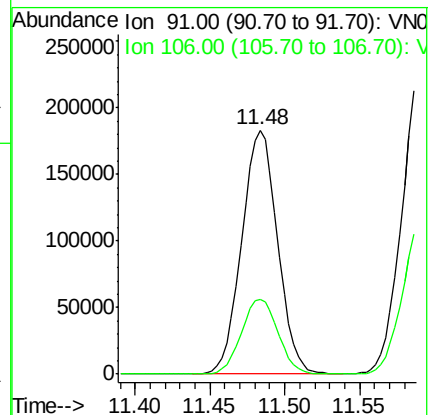
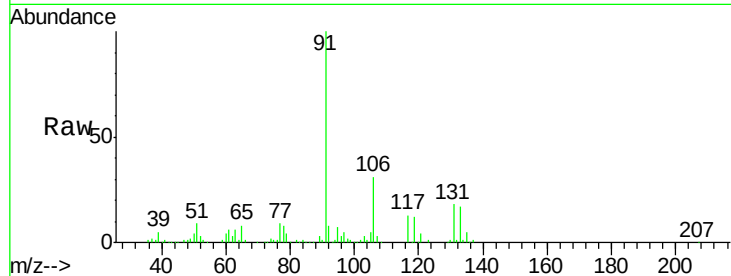
ClientSampleId :

Tot Ion: 91 Resp: 305268

Ion Ratio Lower Upper

91 100

106 30.9 24.6 36.8



#68

m/p-Xylenes

Concen: 39.258 ug/l

RT: 11.59 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN061481.D

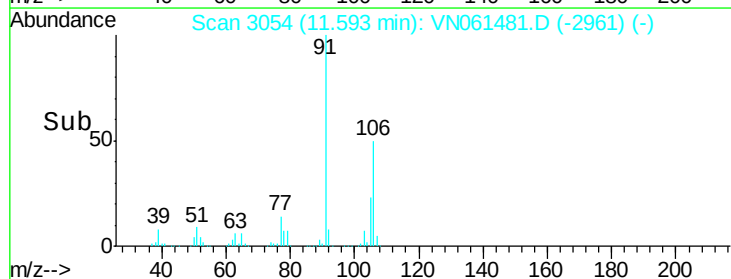
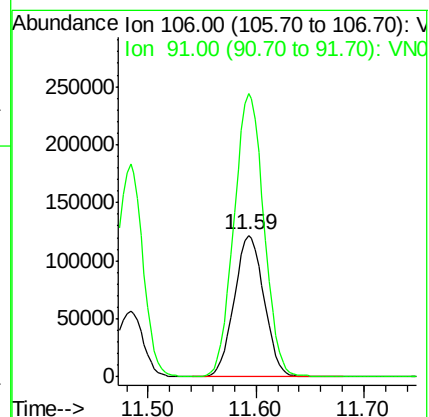
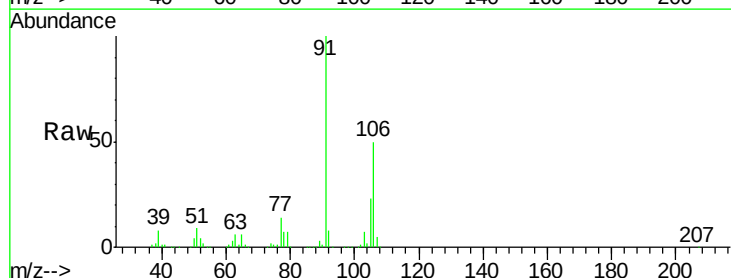
Acq: 19 May 2020 14:23

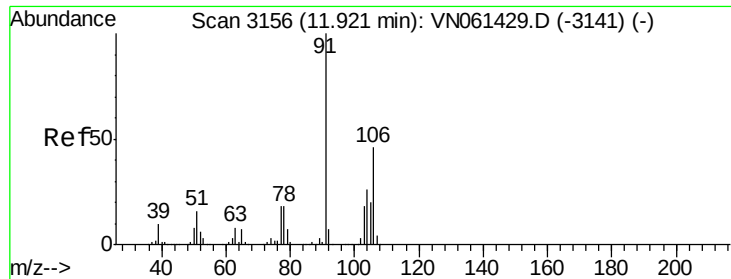
Tgt Ion: 106 Resp: 235527

Ion Ratio Lower Upper

106 100

91 200.0 163.0 244.6

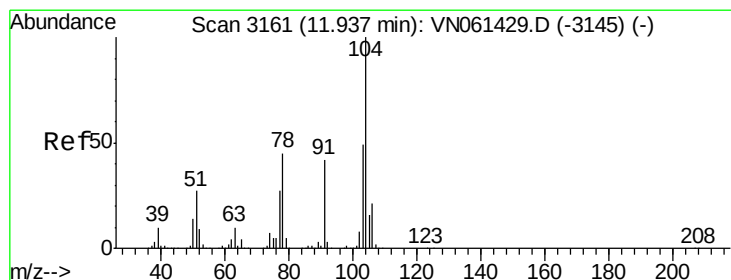
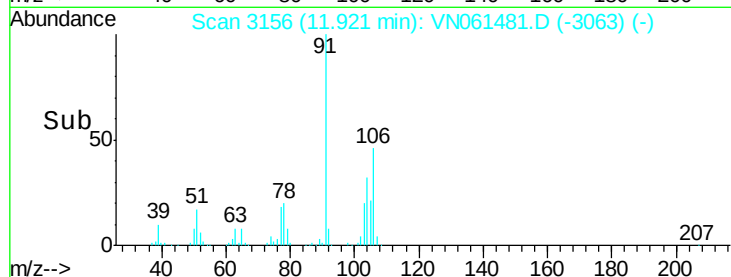
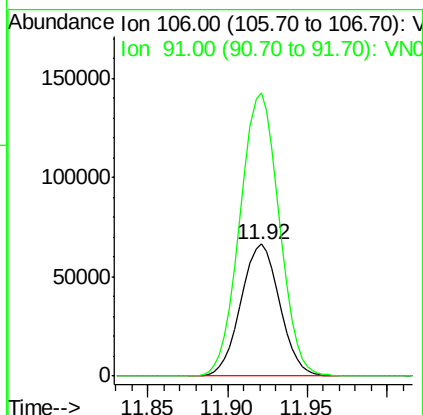
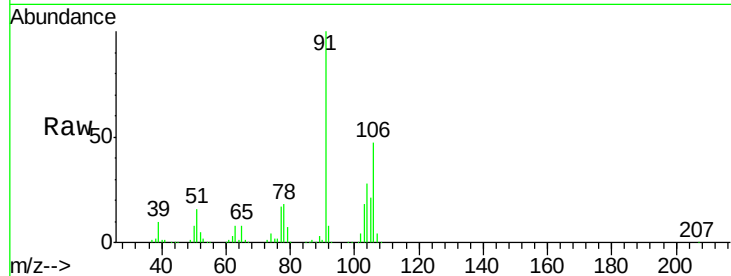




#69
o-Xylene
Concen: 19.031 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

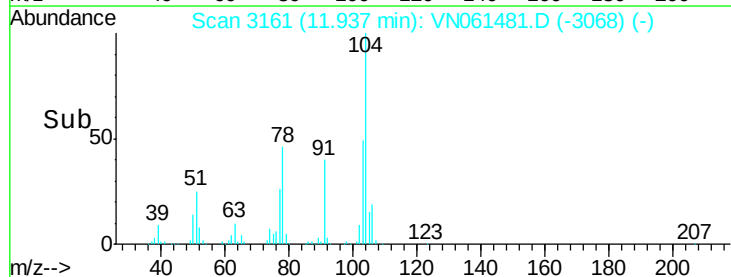
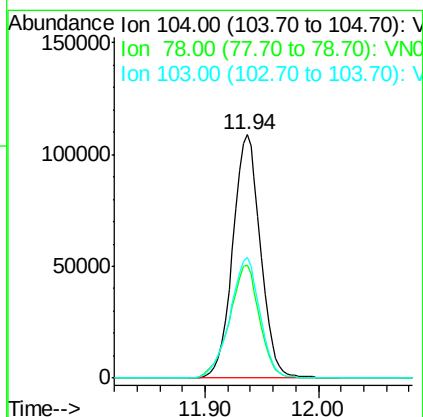
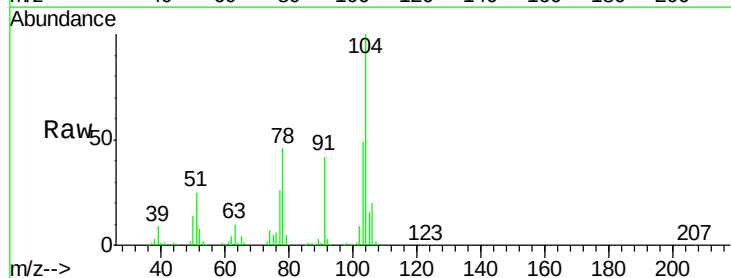
Instrument :
MSVOA_N
ClientSampleId :

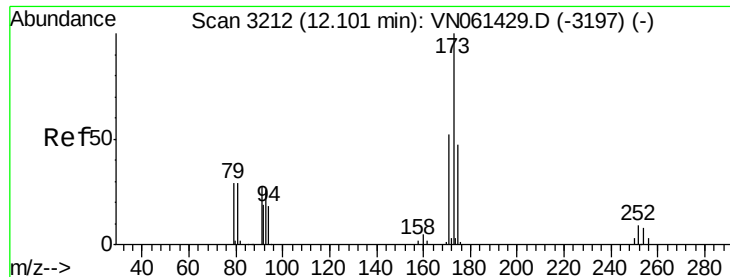
Tot Ion:106 Resp: 110492
Ion Ratio Lower Upper
106 100
91 216.6 107.9 323.7



#70
Styrene
Concen: 19.361 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Tgt Ion:104 Resp: 186139
Ion Ratio Lower Upper
104 100
78 50.1 40.7 61.1
103 53.3 43.0 64.4





#71

Bromoform

Concen: 18.445 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

ClientSampleId :

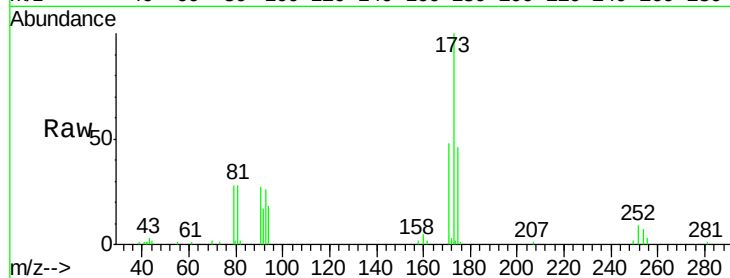
Tot Ion:173 Resp: 41317

Ion Ratio Lower Upper

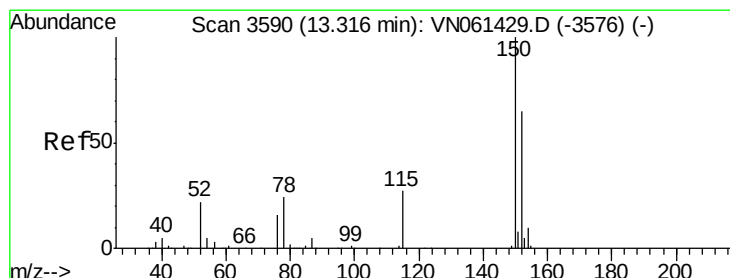
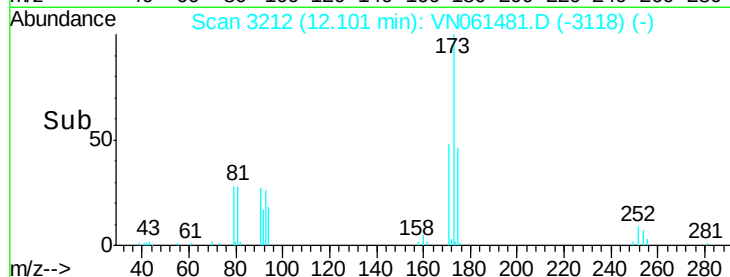
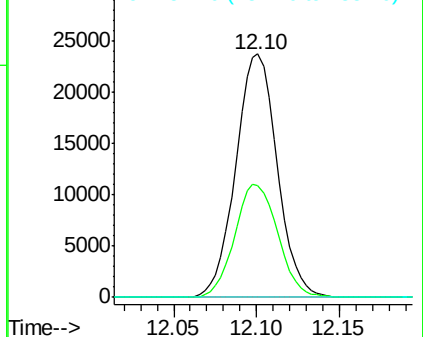
173 100

175 48.2 23.9 71.8

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

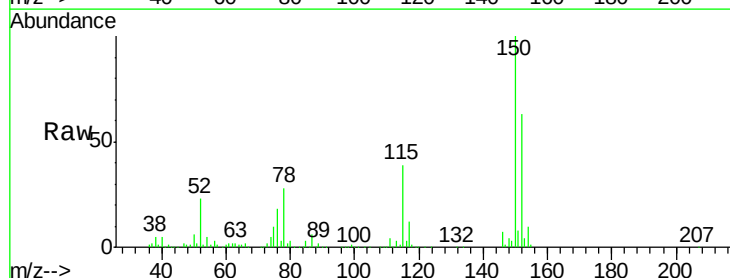
Tgt Ion:152 Resp: 196228

Ion Ratio Lower Upper

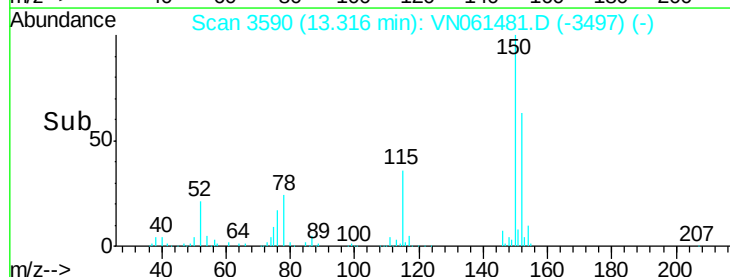
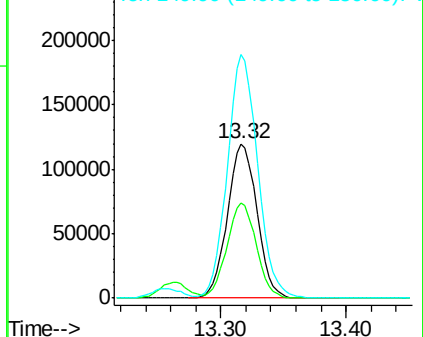
152 100

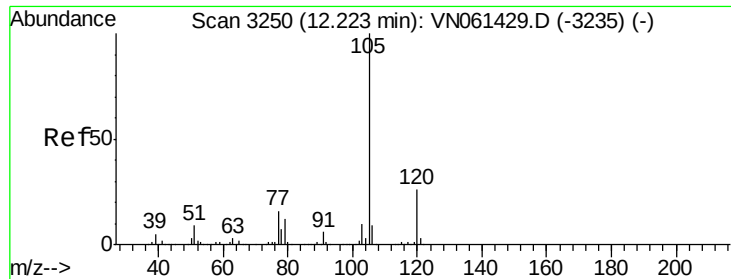
115 61.3 30.9 92.5

150 161.9 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

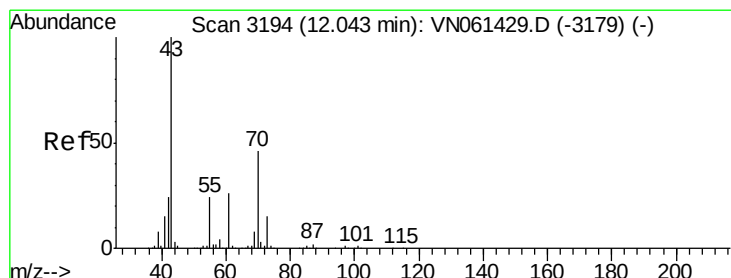
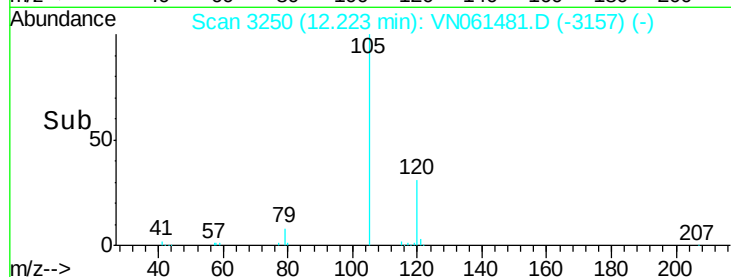
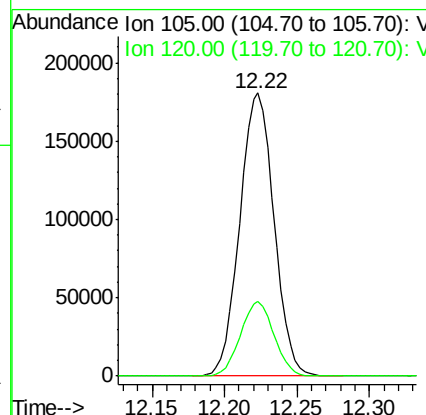
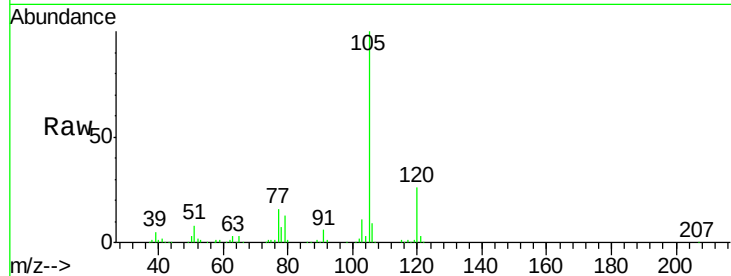




#73
Isopropylbenzene
Concen: 18.817 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

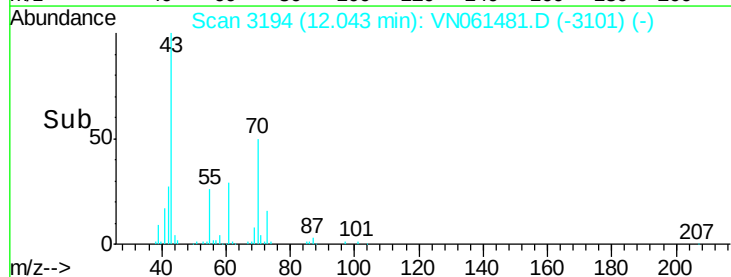
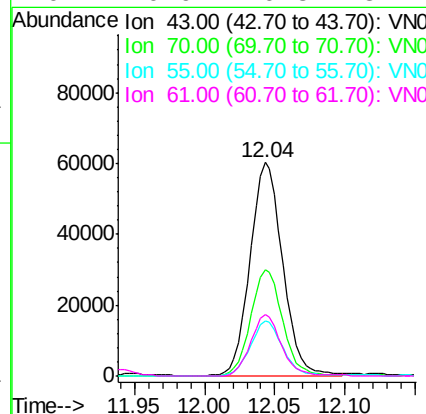
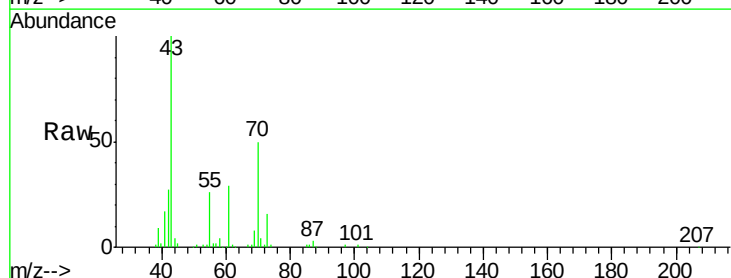
Instrument :
MSVOA_N
ClientSampleId :

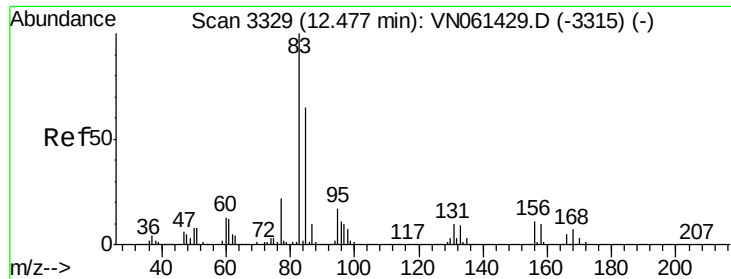
Tot Ion:105 Resp: 296429
Ion Ratio Lower Upper
105 100
120 25.9 13.0 39.0



#74
N-ethyl acetate
Concen: 16.975 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VN061481.D
Acq: 19 May 2020 14:23

Tgt Ion: 43 Resp: 97882
Ion Ratio Lower Upper
43 100
70 48.9 37.0 55.4
55 25.8 19.5 29.3
61 26.9 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.133 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

ClientSampleId :

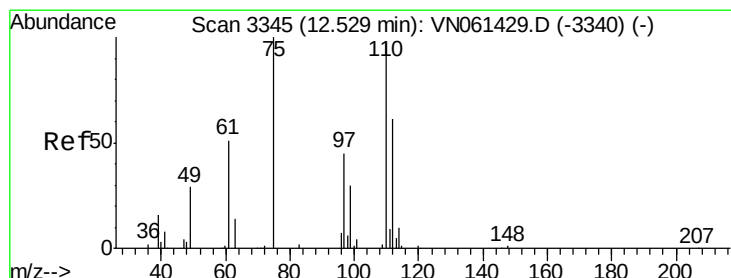
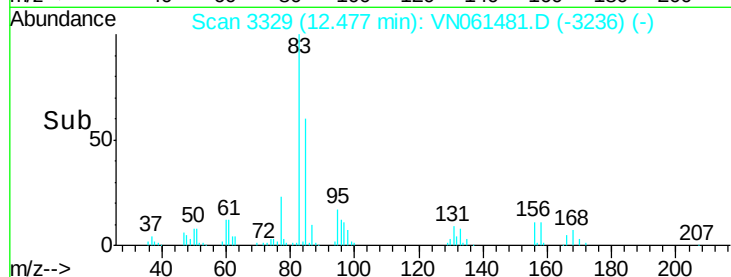
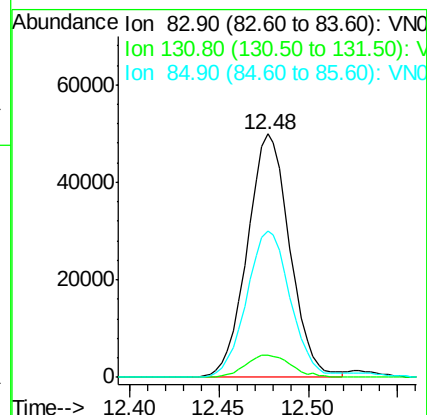
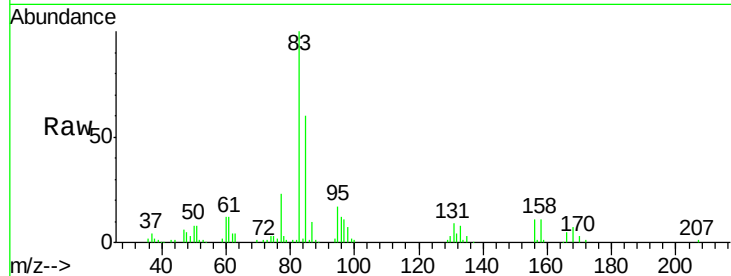
Tot Ion: 83 Resp: 82926

Ion Ratio Lower Upper

83 100

131 9.8 4.8 14.4

85 61.8 32.1 96.5



#76

1,2,3-Trichloropropane

Concen: 25.194 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN061481.D

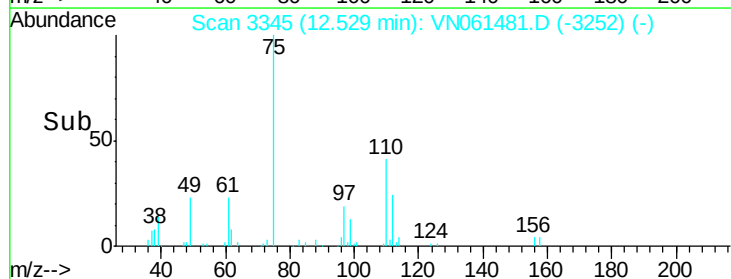
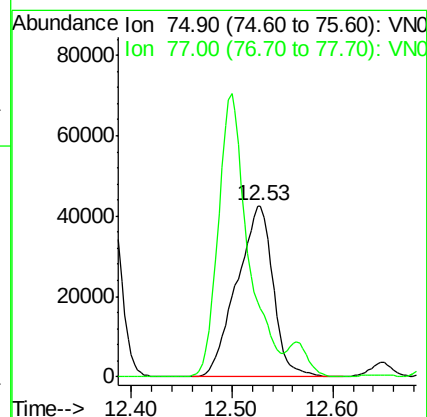
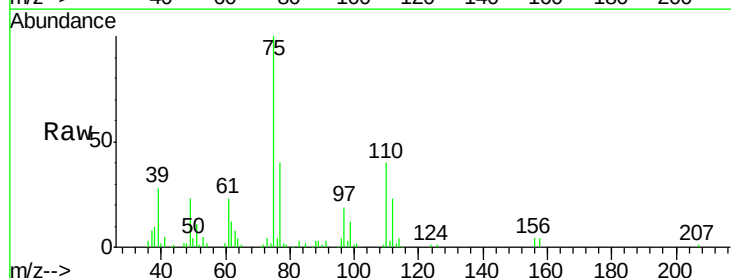
Acq: 19 May 2020 14:23

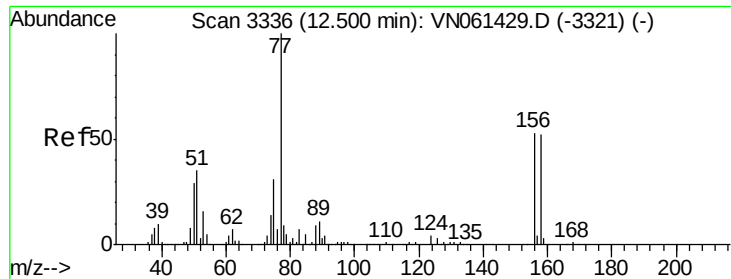
Tgt Ion: 75 Resp: 106081

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.524 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

ClientSampled :

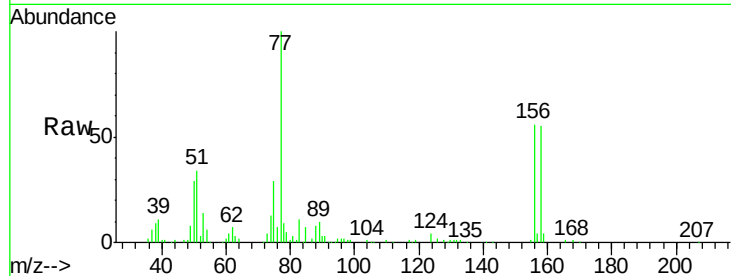
Tot Ion:156 Resp: 66748

Ion Ratio Lower Upper

156 100

77 217.5 112.3 336.9

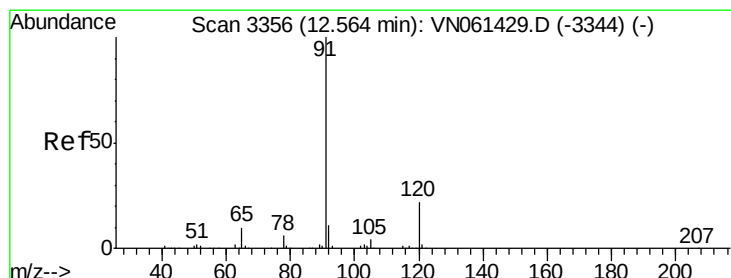
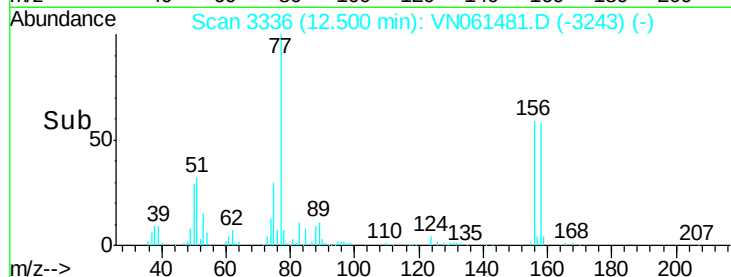
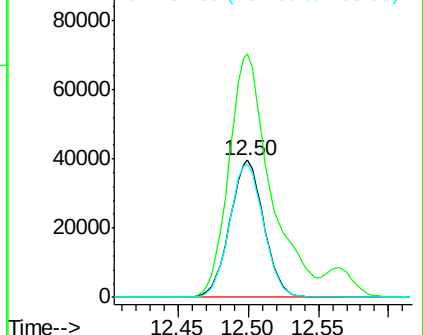
158 97.8 47.9 143.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.863 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN061481.D

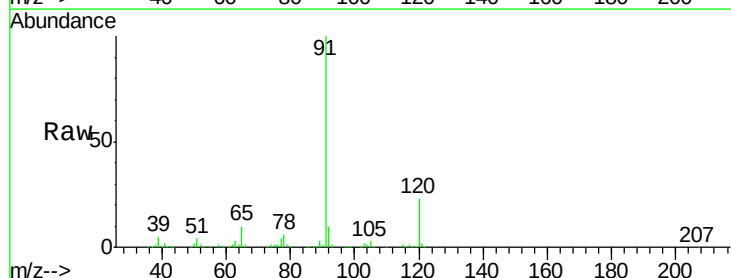
Acq: 19 May 2020 14:23

Tgt Ion: 91 Resp: 338575

Ion Ratio Lower Upper

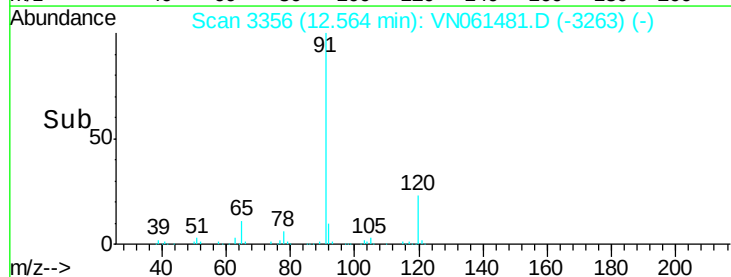
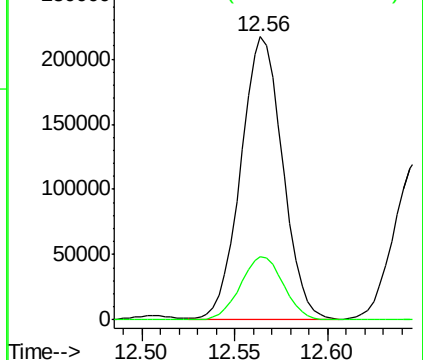
91 100

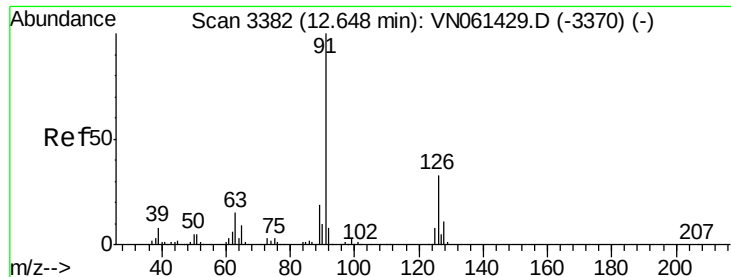
120 23.0 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.883 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

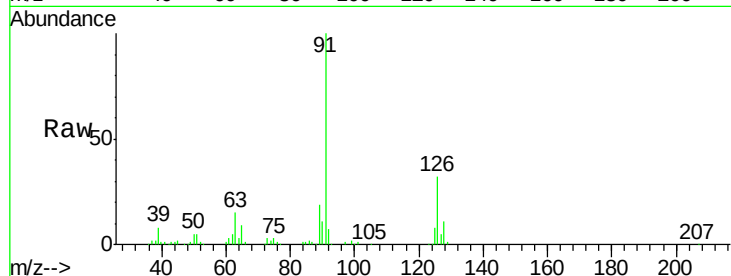
ClientSampleId :

Tot Ion: 91 Resp: 200340

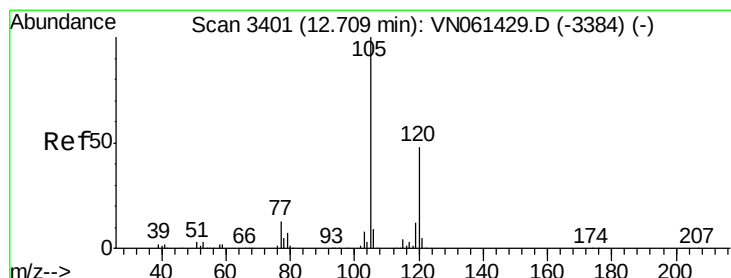
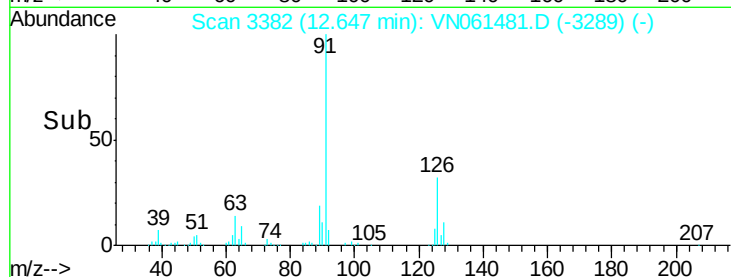
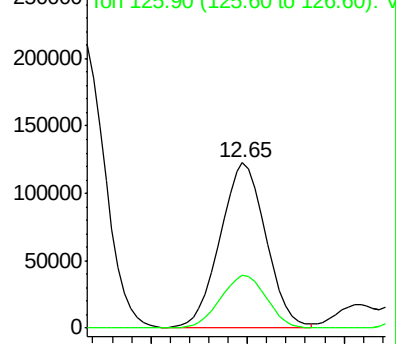
Ion Ratio Lower Upper

91 100

126 32.6 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VN061481.D (-3382) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.866 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061481.D

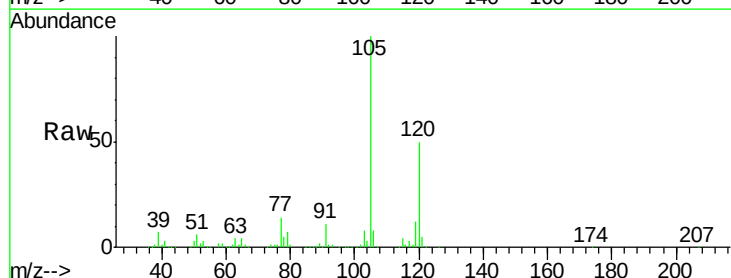
Acq: 19 May 2020 14:23

Tgt Ion: 105 Resp: 243349

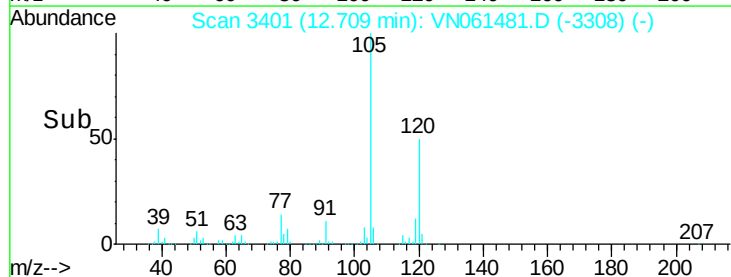
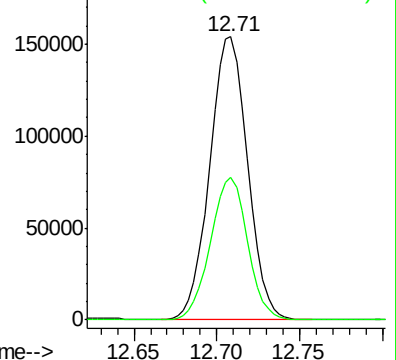
Ion Ratio Lower Upper

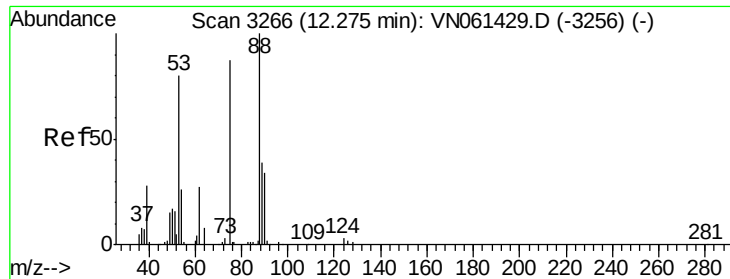
105 100

120 49.6 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN061481.D (-3398) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.621 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

ClientSampleId :

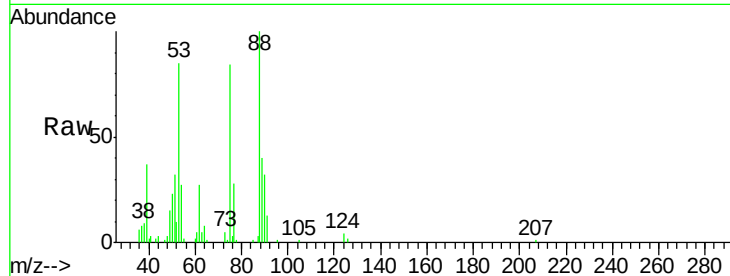
Tot Ion: 75 Resp: 26382

Ion Ratio Lower Upper

75 100

53 99.9 75.2 112.8

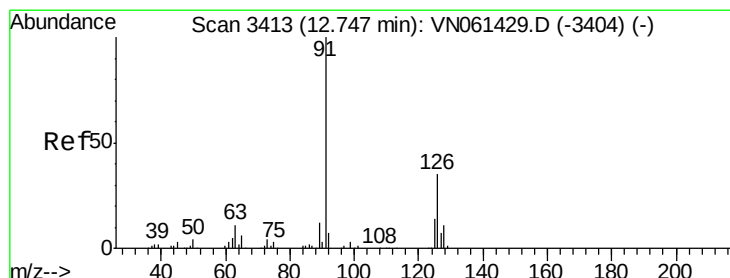
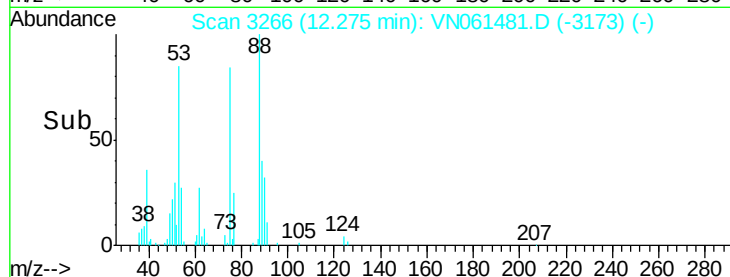
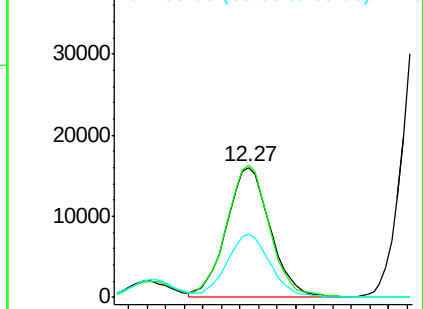
89 47.9 38.2 57.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 18.954 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN061481.D

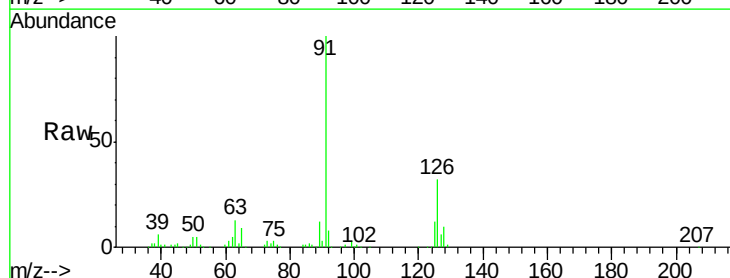
Acq: 19 May 2020 14:23

Tgt Ion: 91 Resp: 208220

Ion Ratio Lower Upper

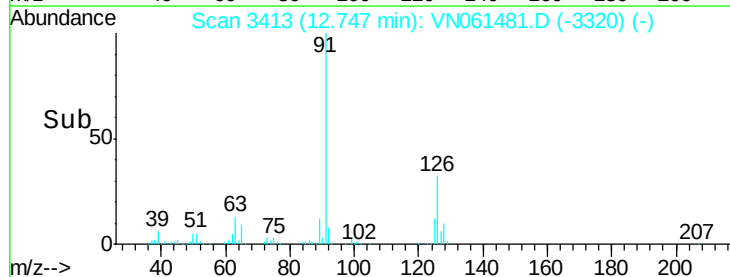
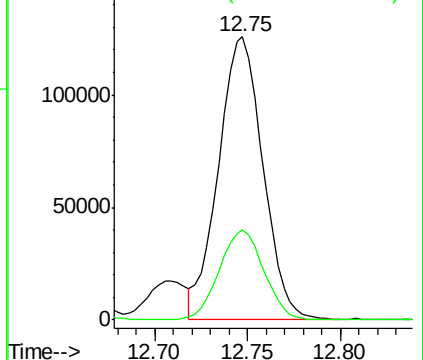
91 100

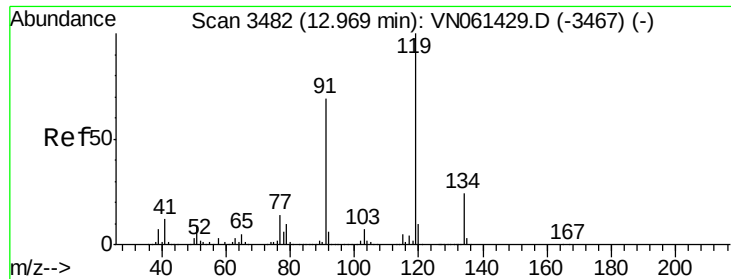
126 32.2 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

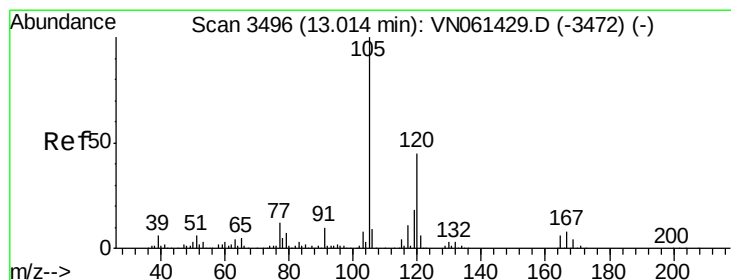
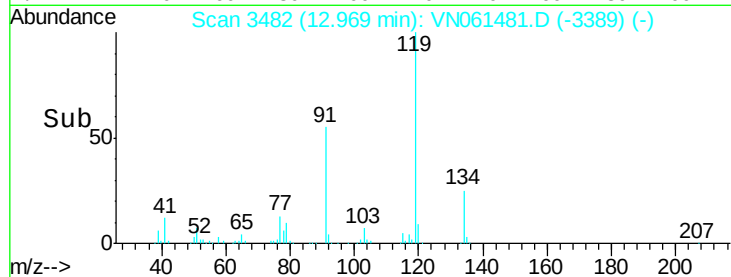
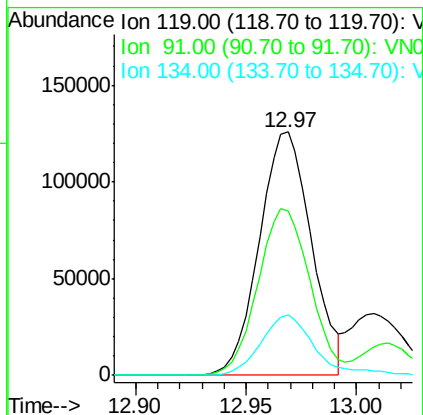
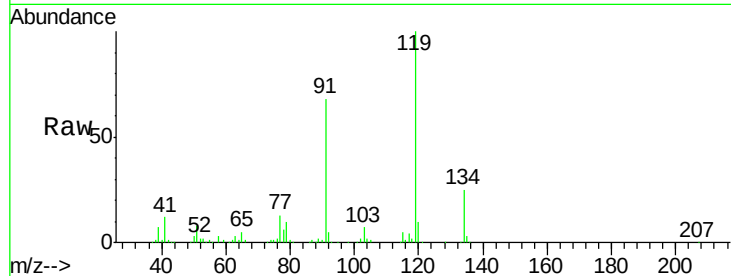




#83
 tert-Butylbenzene
 Concen: 18.653 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

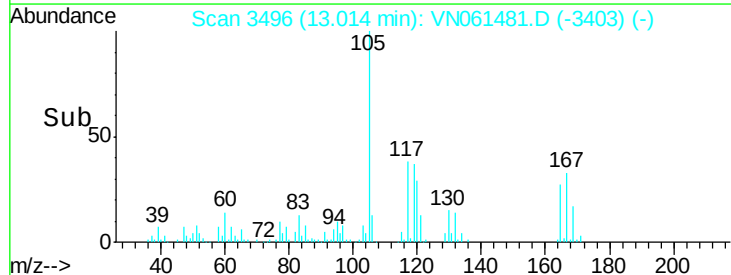
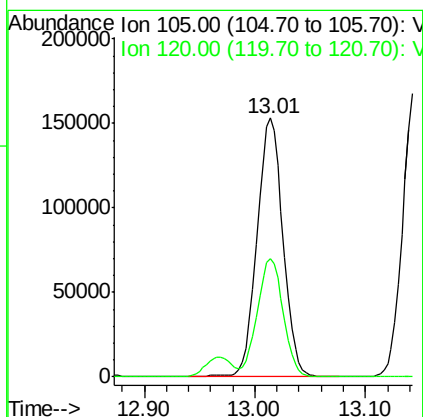
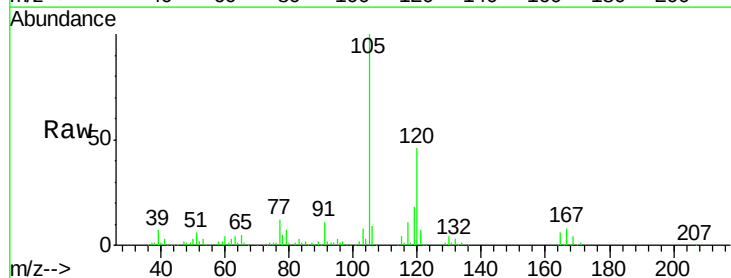
Instrument :
 MSVOA_N
 ClientSampled :

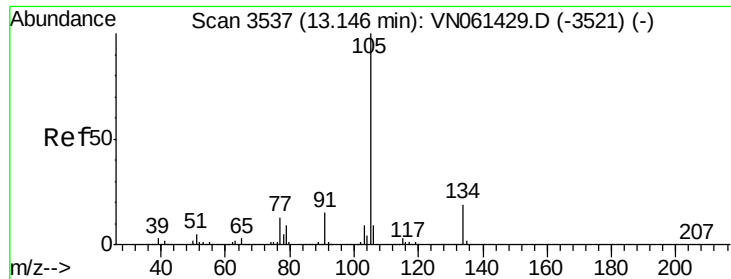
Tot Ion:119 Resp: 206091
 Ion Ratio Lower Upper
 119 100
 91 68.5 33.7 101.0
 134 25.7 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 19.361 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Tgt Ion:105 Resp: 249920
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.4 67.3

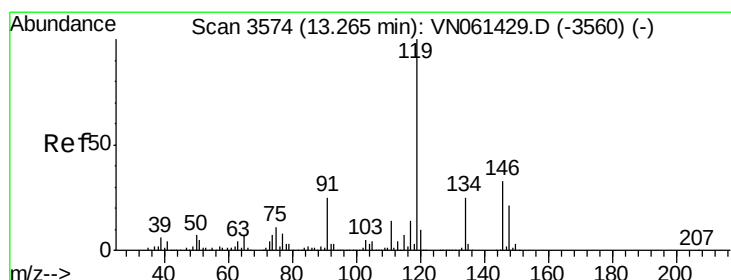
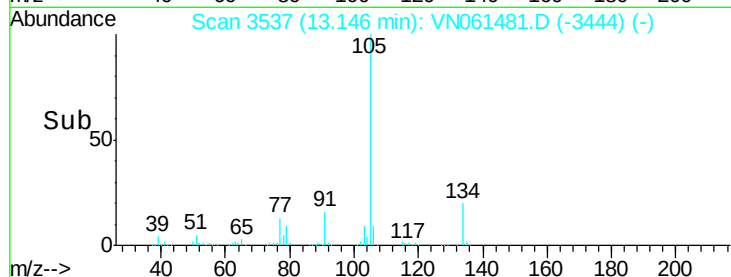
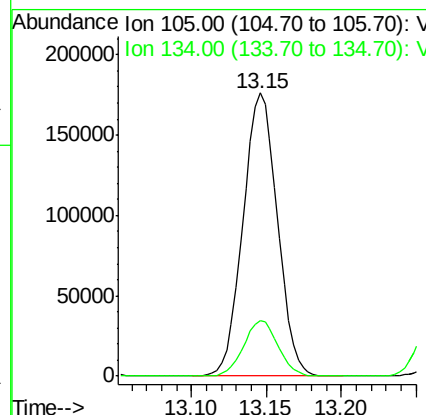
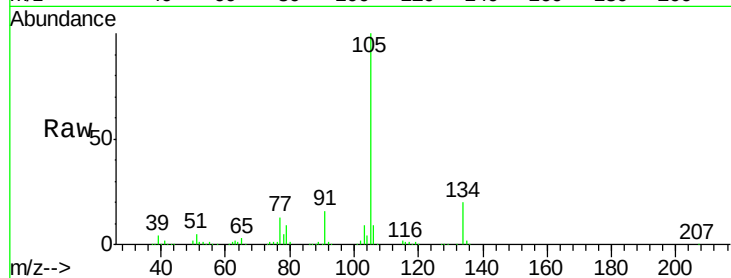




#85
 sec-Butylbenzene
 Concen: 18.802 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

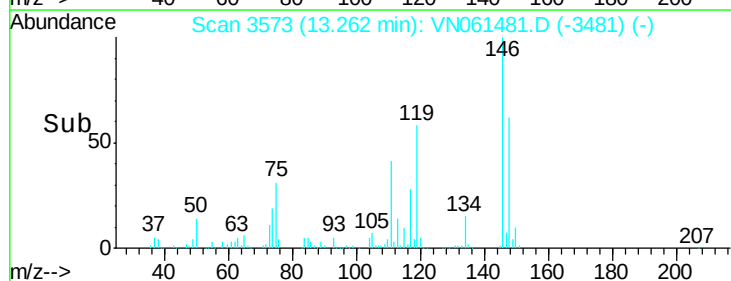
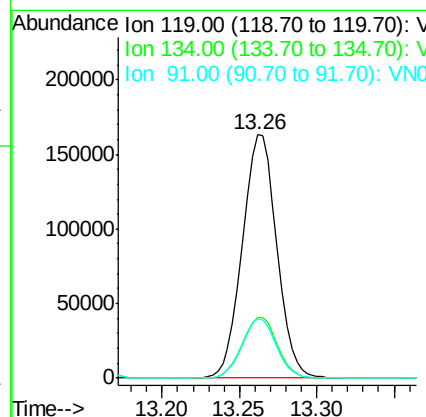
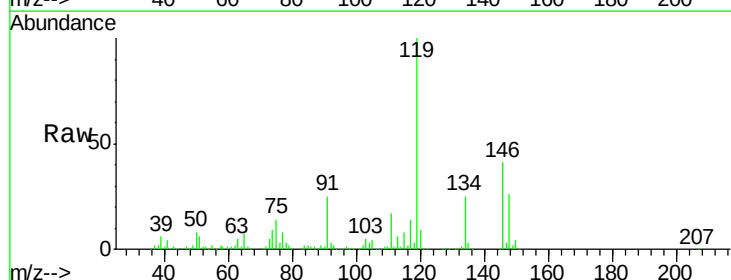
Instrument :
 MSVOA_N
 ClientSampleId :

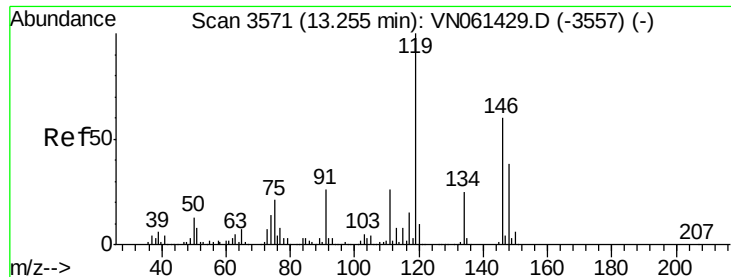
Tot Ion:105 Resp: 280904
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 18.946 ug/l
 RT: 13.26 min Scan# 3573
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Tgt Ion:119 Resp: 251342
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.7 38.1
 91 24.7 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 19.390 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

ClientSampled :

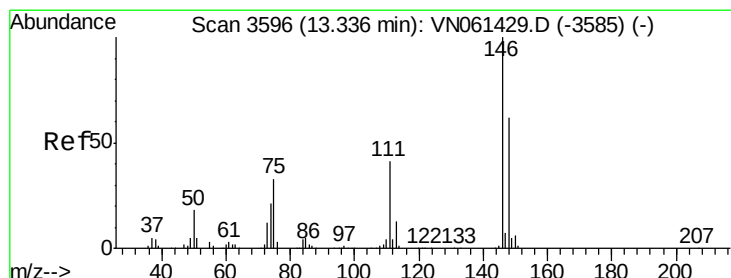
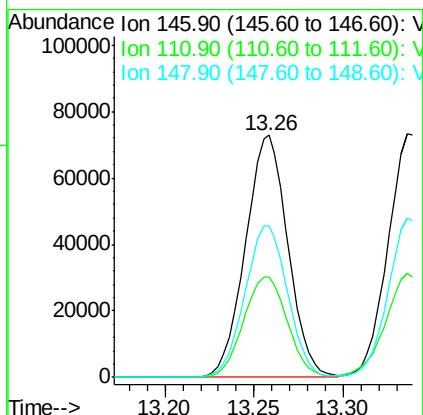
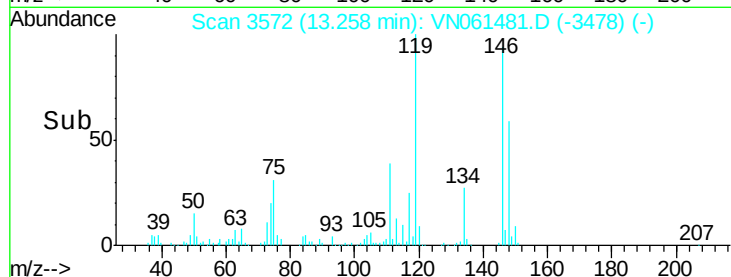
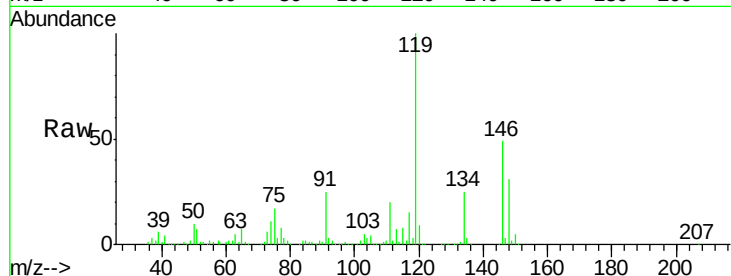
Tot Ion:146 Resp: 121318

Ion Ratio Lower Upper

146 100

111 42.9 21.5 64.5

148 63.1 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 19.413 ug/l

RT: 13.34 min Scan# 3596

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

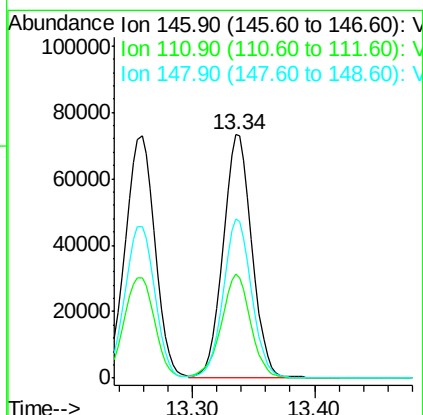
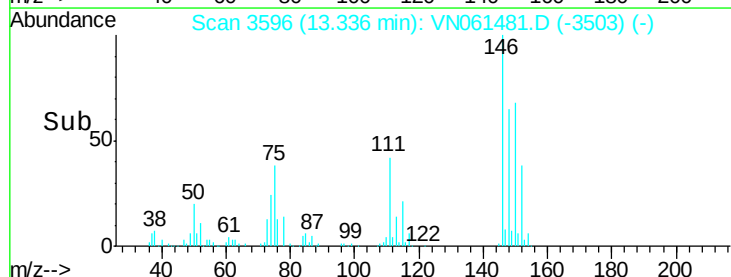
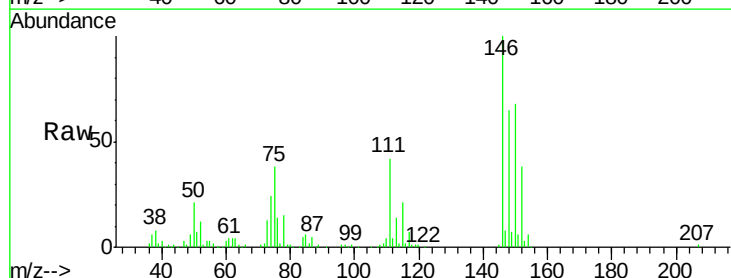
Tgt Ion:146 Resp: 121643

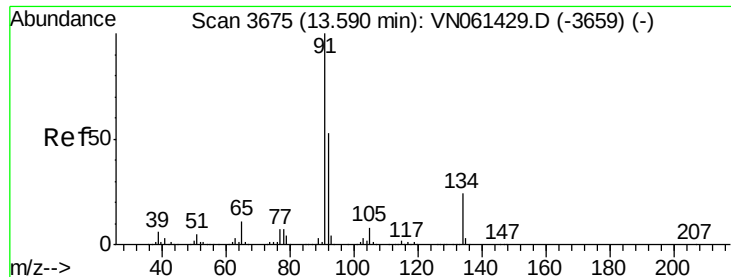
Ion Ratio Lower Upper

146 100

111 43.6 20.8 62.5

148 64.8 31.6 94.8





#89

n-Butylbenzene

Concen: 18.593 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

ClientSampled :

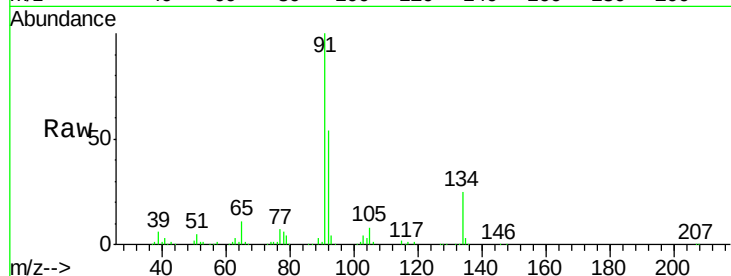
Tot Ion: 91 Resp: 224096

Ion Ratio Lower Upper

91 100

92 53.0 26.8 80.3

134 25.0 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN061481.D (-3659) (-)

Ion 92.00 (91.70 to 92.70): VN061481.D (-3659) (-)

Ion 134.00 (133.70 to 134.70): VN061481.D (-3659) (-)

13.59

150000

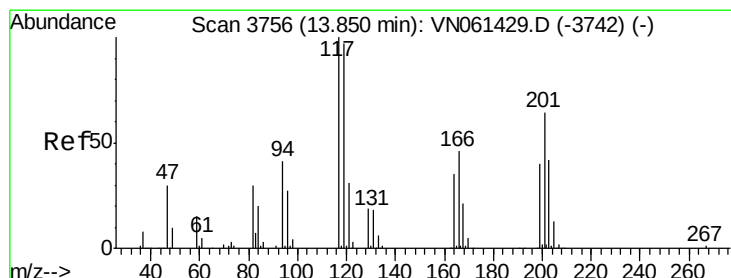
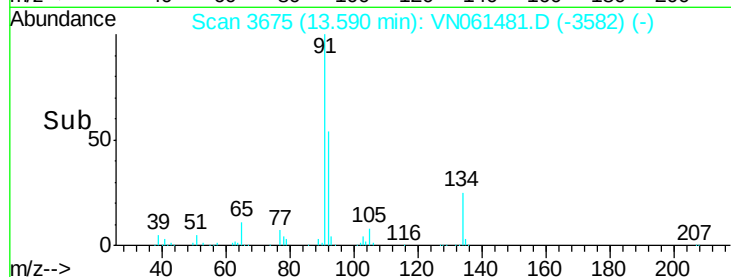
100000

50000

0

13.50 13.60 13.70

Time-->



#90

Hexachloroethane

Concen: 18.808 ug/l

RT: 13.85 min Scan# 3755

Delta R.T. -0.00 min

Lab File: VN061481.D

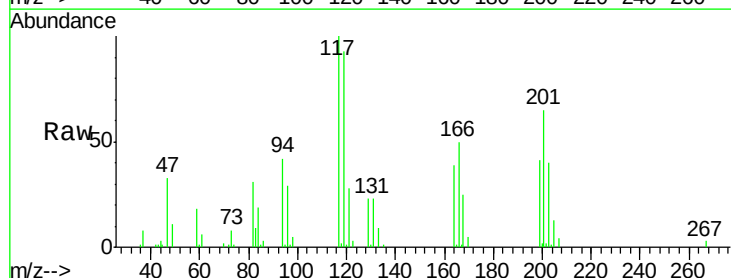
Acq: 19 May 2020 14:23

Tgt Ion: 117 Resp: 33816

Ion Ratio Lower Upper

117 100

201 66.2 32.9 98.7



Abundance Ion 116.80 (116.50 to 117.50): VN061481.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN061481.D (-3742) (-)

13.85

20000

15000

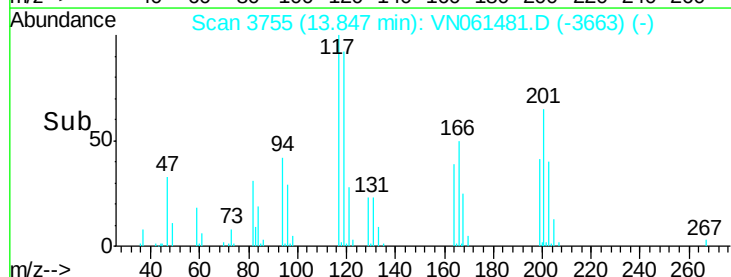
10000

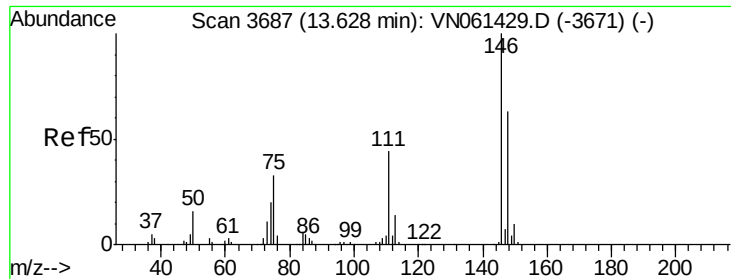
5000

0

13.80 13.85 13.90

Time-->

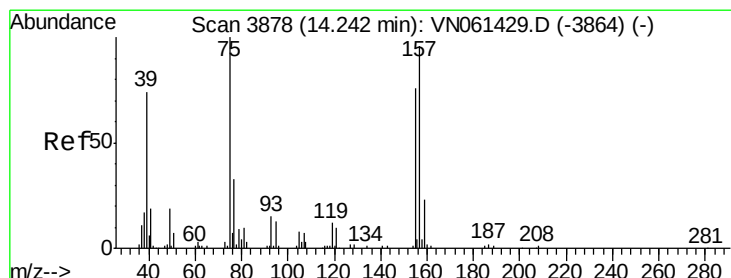
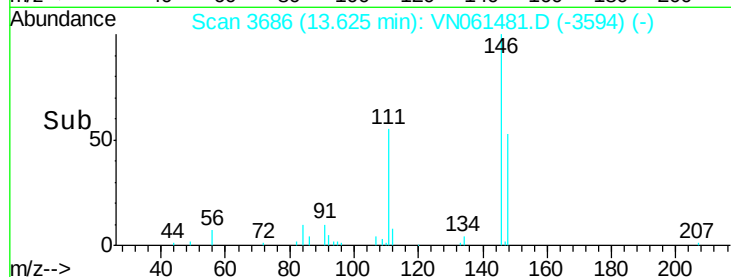
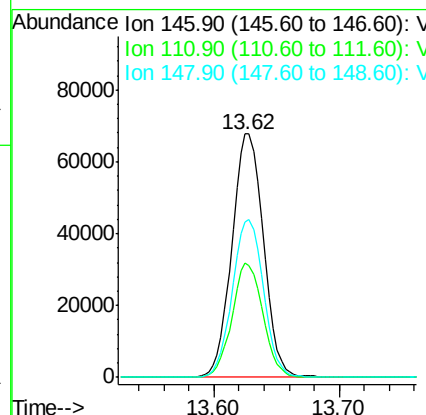
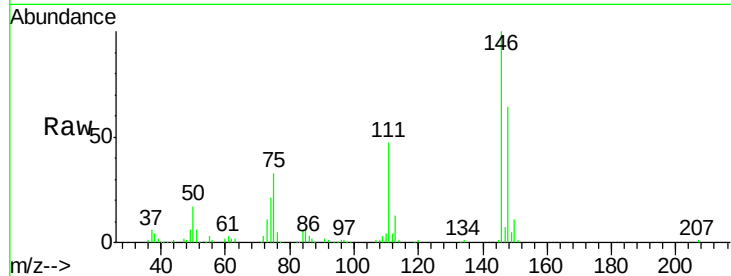




#91
 1,2-Dichlorobenzene
 Concen: 19.706 ug/l
 RT: 13.62 min Scan# 3686
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

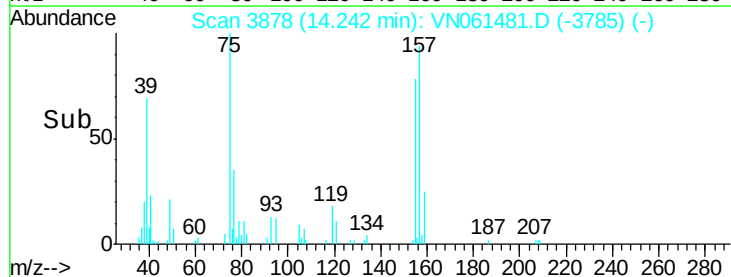
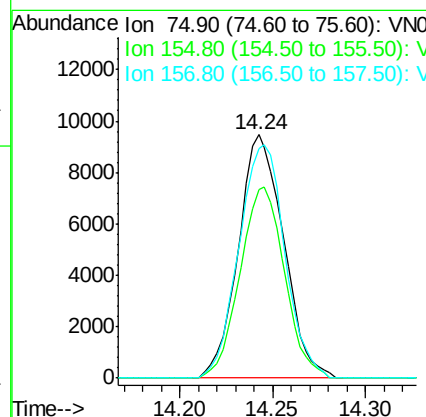
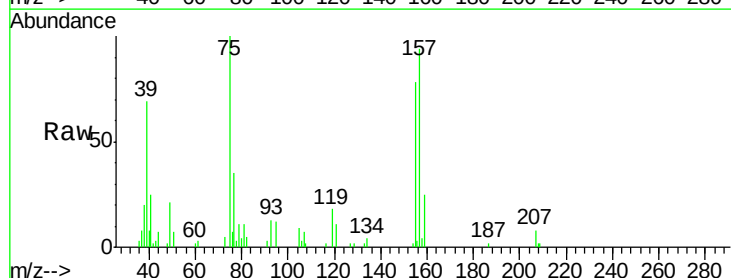
Instrument :
 MSVOA_N
 ClientSampled :

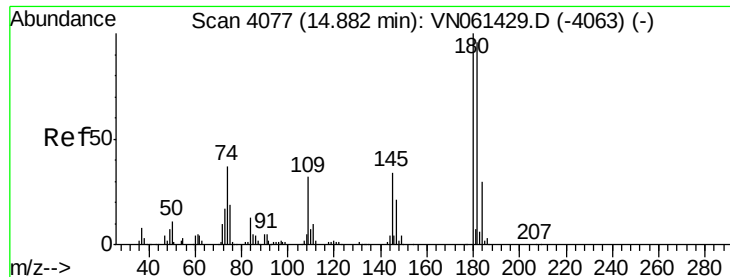
Tot Ion:146 Resp: 118270
 Ion Ratio Lower Upper
 146 100
 111 45.6 21.9 65.7
 148 64.3 31.6 94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.335 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Tgt Ion: 75 Resp: 16052
 Ion Ratio Lower Upper
 75 100
 155 77.1 38.9 116.7
 157 97.5 48.6 145.8

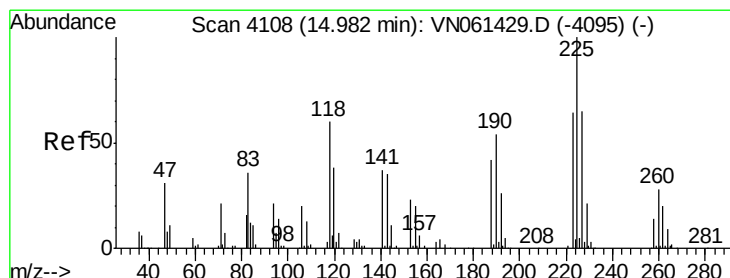
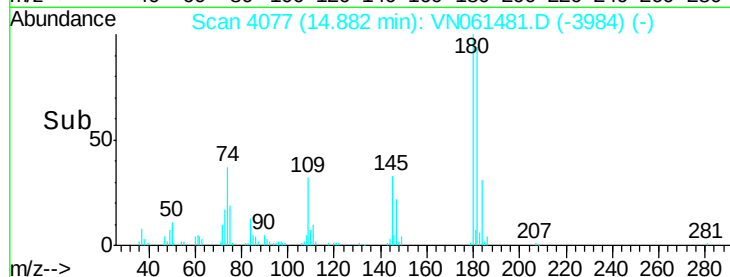
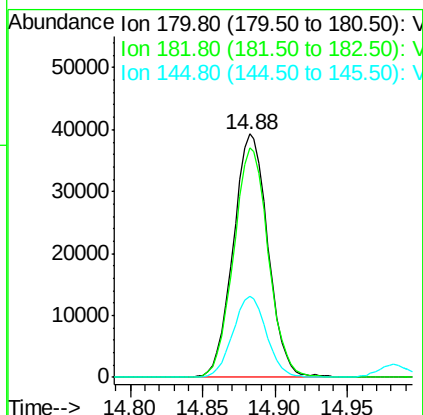
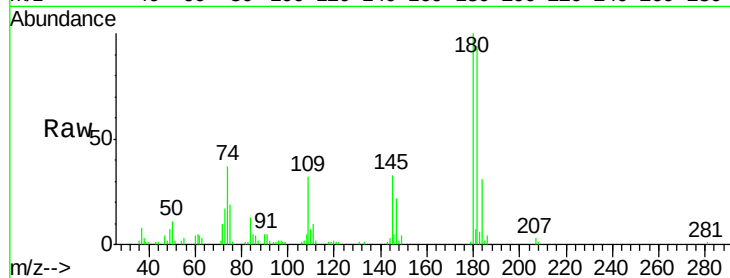




#93
 1,2,4-Trichlorobenzene
 Concen: 20.062 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

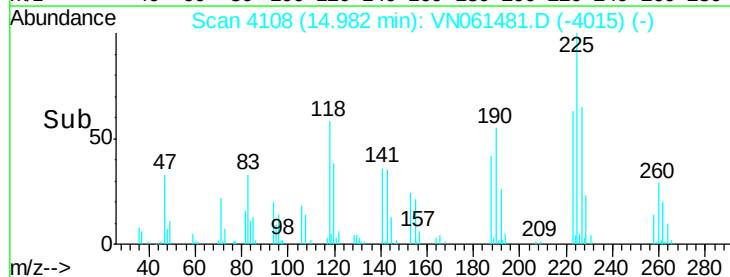
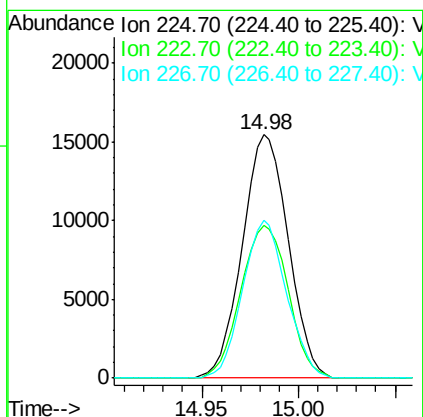
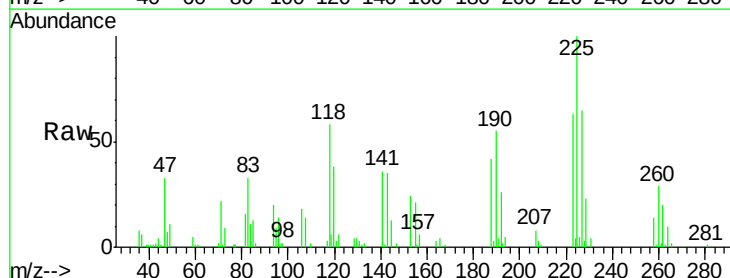
Instrument :
 MSVOA_N
 ClientSampleId :

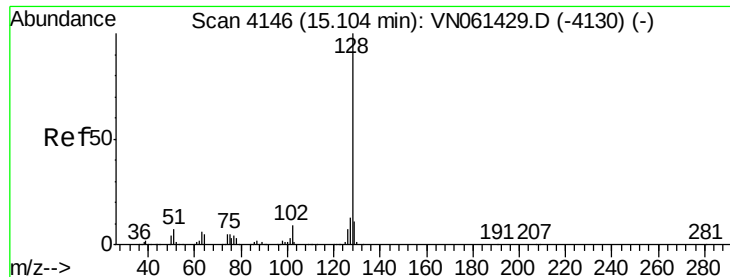
Tot Ion:180 Resp: 65288
 Ion Ratio Lower Upper
 180 100
 182 94.3 47.0 141.0
 145 32.1 16.7 50.0



#94
 Hexachlorobutadiene
 Concen: 17.669 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061481.D
 Acq: 19 May 2020 14:23

Tgt Ion:225 Resp: 25548
 Ion Ratio Lower Upper
 225 100
 223 64.7 31.9 95.7
 227 61.9 31.5 94.5





#95

Naphthalene

Concen: 20.120 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

Instrument :

MSVOA_N

ClientSampleId :

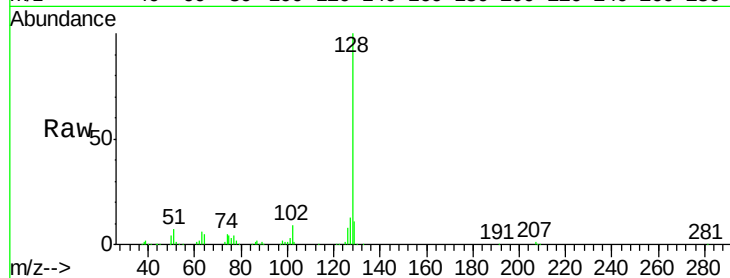
Tot Ion:128 Resp: 208160

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

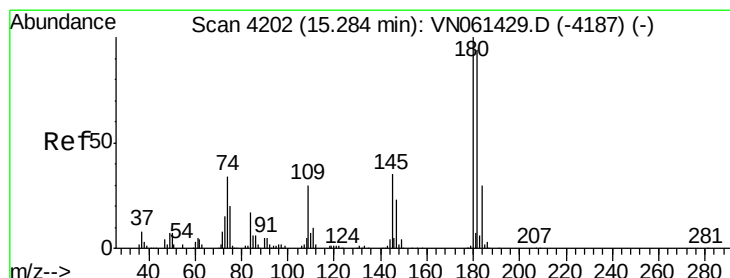
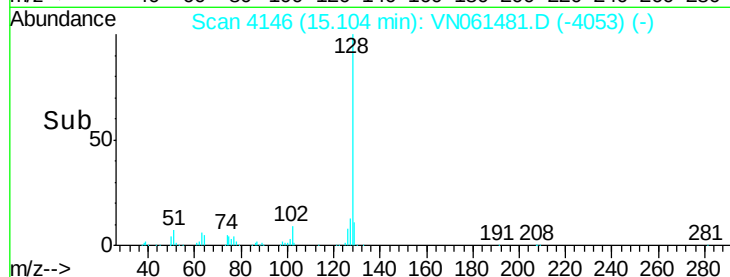
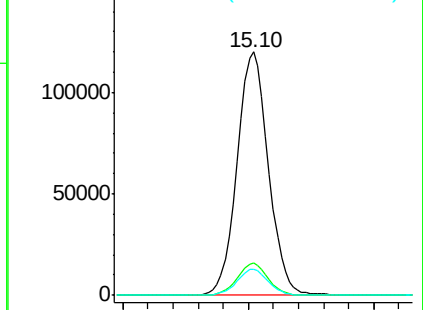
129 10.6 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.007 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN061481.D

Acq: 19 May 2020 14:23

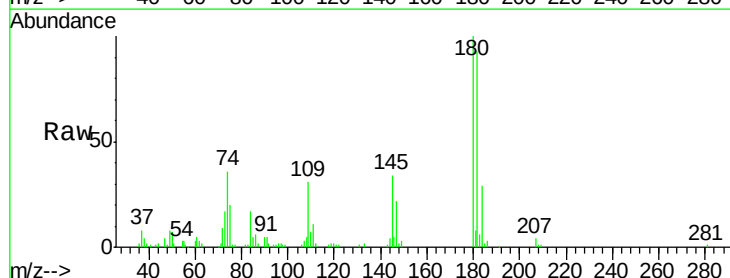
Tgt Ion:180 Resp: 64816

Ion Ratio Lower Upper

180 100

182 94.4 47.8 143.3

145 34.5 17.3 51.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

